(Revised 3-81)



Well No. R-101
Farm W. D. Shields
API #47 - 085- 5962
Date 9-10-82

# STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

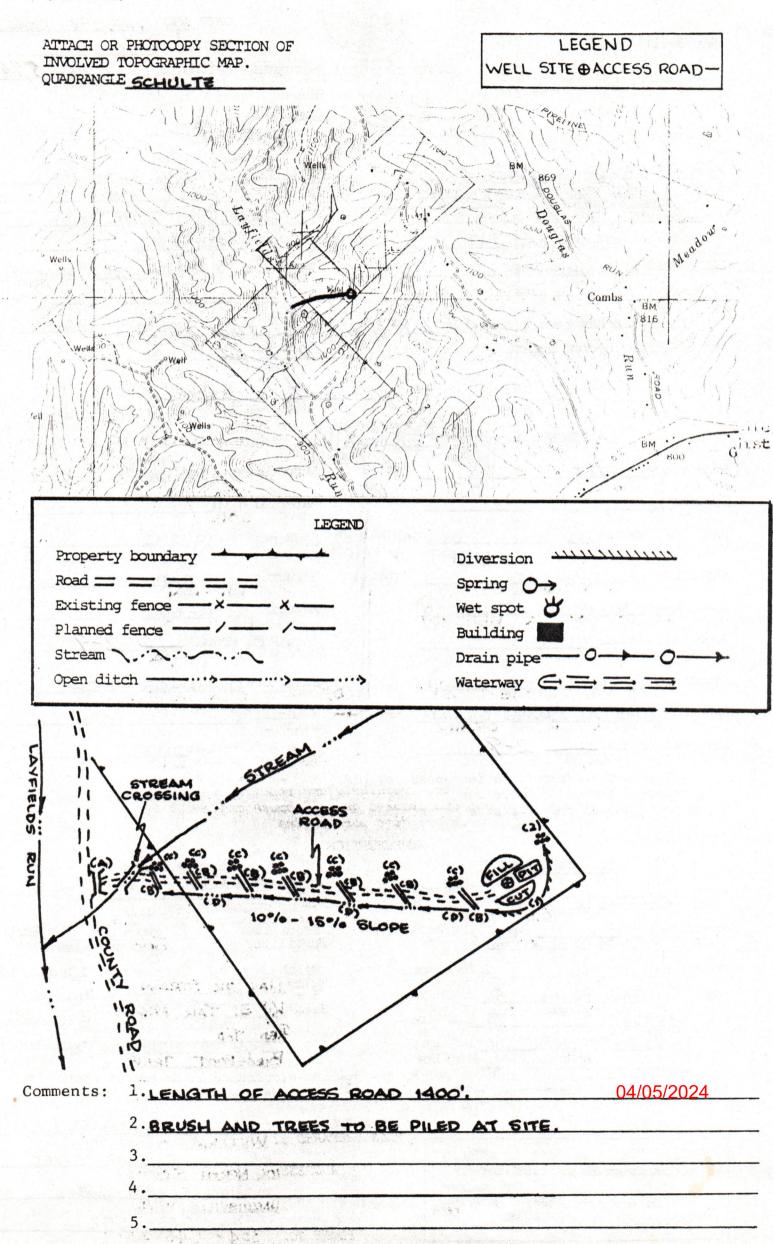
# OIL AND GAS WELL PERMIT APPLICATION

	AILLAIN
WELL TYPE: 011 x / Gas x /	
(If "Gas", Production x / L	Underground storage / Deep / Shallow /
LOCATION: Elevation: 1150 Water	
District: Grant Count	ty: Ritchie Quadrangle: 7 1/2
Grant	Schultz
WELL OPERATOR RICHARDS ENERGY, Inc.	DESIGNATED AGENT OF THE
Address P. O. Box 3  Belpre, OH 45714	Address 2005 Foley Drive
Belpre, OH 45714	Parkersburg, WV 26101
OTE AND GAS	(304) 428 3121
ROYALTY OWNER W. D. SHIELDS Heirs	COAL OPERATOR NONE
Address c/o Donna Scott	Address
Acreage Rt. 1, Cairo, WV	
Acreage 32	
SUPEACE OVALED	COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER W. D. Shields	NAME NONE
Address Rt. 1,	Address
Cairo, WV	
ncreage	NAME
FIELD SALE (IF MADE) TO:	Address
NAME	
NAMEN/AAddress	COAL LESSEE WITH DESCRIPTION OF THE
and the same of th	COAL LESSEE WITH DECLARATION ON RECORD:
the same of the sa	Address
OIL AND GAS INSPECTOR TO BE NOTIFIED:	Address
NAME Samuel N. Hersman	
Address P. O. Box 66	
SINIENVILLE, WV 26179	1111 0 5 1000
Telephone (304) 477-3597	- 1302
The state of the s	
	OIL & GAS DIVISION
The undersigned well operator is ent above location under a deed / lease to the undersigned well operator from  (If said deed, lease, or other contract he	itled to operate for oil or gas purposes at the X / other contract / dated, 19,
Recorded on, 19, in the o	office of the Clerk of County Commission of
	(Lease)105 Book at page 49 . A permit is  er / Redrill / Fracture or stimulate / / Perforate new formation /
	in well (specify)
planned as shown on t	the work order on the reverse side hereof.
objection they wish to make or are require Department of Mines within fifteen (15) da Copies of this Permit Application and the	(s), and coal lessee are hereby notified that any ed to make by Code §22-4-3 must be filed with the ays after receipt of this Application by the Dept enclosed plat and reclamation plan have been hand to the above named coal operator, coal own-
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	
TOTAL EDGS DIRECTLI 10:	RICHARDS ENERGY, Inc.
WEST VIRGINIA OIL AND GAS	Well Operator
CONSERVATION COMMISCION	Rv. / VI K.
1613 WASHINGTON ST., E.	By: C. M. Duharde
CHAPLECTON IIII 25211	ts: President
Telephone - 304/348-3092	ts: President
BLAN	(FI ROUN

### PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING	CONTRACT	TOR (IF	KNOWN)						
		А	ddress					Officers or go in the format of the state of	
					41 2			[- 0 -	
Approx	imate wa	th of co ater str oal seam	mpleted	well_ hs:	Fresh,	NONE	feet;	ry x / Cab	le tools/ feet。
CASING AN	2		CIFICATI	ONS		1		CEMENT FILL	1
TUBING TY		Grade	Weight Iper ft	New		1	Well		
Conductor	Charles and the state of the st					300'		To Surface	Kinds
Fresh wat									C:
Coal Intermed.	. 0 5	10	-	-	+		1900'	CTS	Sizes
Production			-	1	1		5000'	140 Sacks	Depths set
Tubing	4 2							or thru	
Liners								salt sand.	
				-	-				Top Bottom
			-	-	-	-	-		
Pos 822 pos A s whe sor I	quired be 2-4-8a for seed well separate ere fracting the provision of the	y Code & rom the Form IV turing of is noted is noted. MUST BE SIONS BEINDF THE W. FOR CONS HAVE	22-4-12a owner of V-2 shall or stimuled as such POSTED AT GIN ACCOUNTY OF THE POSTED AT THE POSTED A	not lating the on THE L	be received the Finance WITH OCATION O	if applic well or quired for o be part orm IV-2 E. H CHAPTER ON IS HEREB MIT SHALL E 6-25-83	eable, the dwelling or fracture of the w filed in	consent requithin 200 fing or stimu ork for whice connection t	
or is	signed chas example well as no object or ha	coal openined the location is compli	ratoris propo in, the w to the w ed with	cordection free now work or which the cordection free now well a cordection	d a de (15)  W A I  mer  cocatio	claration days of $\frac{V E R}{I \text{ lesse}}$	n under Coreceipt the  e / of  If a mine en added to	the coal under map exists to the mine relation	der this well which covers the map. The under-
Date:	. 7	, 1	9	*"#°					
		e hour	A	15	0	Ву:			
					-1	ts:			
					UNO	NIKET B			



WELL NO. R - 101

State of West Wirginia

API NO. 47 - 085 - 5966

Bepartment of Mines

Oil and Gas Bivision Construction & Reclamation Plan

COMPANY NAME RCHARD ENERGY INC. ADDRESS SUITE 500 A CEDARWOOD	DESIGNATED AGENT C.W. RICHARDS ADDRESS 2005 FOLEY DRIVE
BELPRE, OHIO 45714	PARKERS burg, W.VA. 26101
Telephone 614 - 423 - 5747	Telephone 429 - 3121
LANDOWNER W.D. SHIELDS	SOIL CONS. DISTRICT LITTLE KANAWHA
Revegetation to be carried out by	(Agent)
This plan has been reviewed by 11+1/6	E Kanawhaz SCD. All corrections
and additions become a part of this plan:	10-1-87
$\bar{Q}$	(Date) (SCD Agent)
ACCESS ROAD THE SELLY	LOCATION
Structure (A)	structure DIVERSION DITCH (1)
Spacing 12.	Material Soil
Page Ref. Manual 2:7 OIL & GAS DIVI	NES Ref. Manual 2:12
Structure CROSS DRAIN (B)	Structure RIP- RAP (2)
Spacing 45' To 400' (AS NEEDED)	Material Rock-Logs
Page Ref. Manual ::	Page Ref. Manual 1/2 2-9
Structure RID-RAD (STONE-LOGS) (C)	(D)Structure DRAINAGE DITCH
Spacing SAME AS CROSS DRAIN	Material_
Page Ref. Manual 1/2 2-9	Page Ref. Manual 2:12
All structures should be inspected regular commercial timber is to be cut and stacked out and removed from the site before dirt	l and all brush and small timber to be work begins. PATION
Treatment Area I	Treatment Area II
Lime Tons/acre or correct to pH 6.5	Tons/acre or correct to pH 6.5
Fertilizer 500 lbs/acre (10-20-20 or equivalent)	Fertilizer 500 lbs/acre (10-20-20 or equivalent)
Mulch Hay o R STRAW 2 Tons/acre	Mulch Hay or STRAW 2 Tons/acre
Seed* Ky 3/TALL FEXUE 40 lbs/acre	Seed* Ky 31 TALL FESCUE 40lbs/acre
Rep Top 5 lbs/acre	Res Top 5 lbs/acre
Breds FOOT TEE FOIL 10 1bs/acre	Bredsfoot Trefoir 10 lbs/acre
*Inoculate all legumes such as vetch, trej Inoculate with 3X recommended amount.	foil and clovers with the proper bacterium.  04/05/2024
PLAN	
NOTES: Please request landowners' cooperation to protect new	ADDRESSION NORTH SPRING STREET
seedling for one growing season. Attach separate sheets as	HARRISVILLE, W.VA. 26362

FORM IV-60 (6-82)

# RECEIVED



DATE: OPERATOR'S WELL NO .:

API NO:

State County Permit No

OCT 6 - 1982

OIL AND GAS DIVISION

# State of Mest Wirginia

OFFICE OF OIL AND GAS DEPARTMENT OF MINES

AFFIDAVIT

State of
County of Janaceha
(the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that (he, she, or it) shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(e) (1982).
Signed: Council & Morre/ Richards Energy Dam!
Taken, Subscribed, and sworn to before me this 6th day of 1982.
Notary: Jos a. Sempliens
My Commission Expires: March 9, 1992



OIL & GAS DIVISION DEPT. OF MINES 04/05/2024

100

### DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

1st stage: Shale 4934'-4646', 1,000 Mcf of N<sub>2</sub> 2nd stage: Shale 4562-4466', 930 Mcf of  $N_2$ 3rd stage: Shale 4250-3916', 1,200 Mcf of  $N_2$ 4th Stage: Shale 3884'-3608', 1,000 Mcf of  $N_2$ 

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	and salt water, coal, oil and gas
RR & Shale	0	10	
Sand	10	30	
RR & Shale	30	106	The second of th
Sand	106	135	territorial (Material especial est about the company of the contract about the contract of the contract about the contract of
RR & Shale	135	145	and the second s
Sand	145	190	CASOL W TRACK CO. CASOL
Sandy Shale	190	204	
Sand	204	212	
Sandy Shale	212	240	ALTERNATION OF THE SECOND
Sand	240	262	
Shale	262	310	ALL SERVICES
Sand	310	350	A SECURE PLOTE SECURE
RR & Shale	350	380	A STATE OF THE STA
Sandy Shale	380	430	
RR & Shale	430	530	and the second of the second o
Sandy Shale	530	665	BITH SIDE ALTORISTED BAD ONA TES
RR	665	675	STATE OF THE STATE
Shale	675	760	minute in against the second of the second o
RR	760	770	
Sandy Shale	770	785	the factor of the property of the company of the co
Sh. & RR	785	830	and the second s
Sandy Shale	830	848	arts ideal, over the con-
RR & Shale	848	884	e statistica del la constitución de la la
Sandy Shale	884	946	O MUTA COLUMNICA Y PROPERTY.
Coal (?)	946	950	DOLL THERE CAMPAN OF THE PARTY
Sandy Shale	950	965	ACCURATE CONTRACTOR OF THE CON
RR	965	980	
Shale	980	990	THE STREET OF THE SAN SECTION STREET
Sandy Shale	990	1052	
Shale	1052	1062	Light for the country in the dispersion of
Sandy Shale	1062	1067	
Sand	1067	1070	eng andquo nicella della
Sandy Shale	1070	1156	Security and the second
Shale	1156	1200	
Sand	1200	1210	THE RESERVE OF THE PARTY OF THE
Shale	1210	1210	
Sand	1210	1263	negligible of the section of the sec
Sandy Shale	1263	1280	
Sand	1280	12/1	20 10000000

(Attach separate sheets as necessary)

RICHARDS ENERGY.

Well Operator

Date: 3/28/83

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including and, encountered in the drilling of a well."

IV-35 (Rev 8-81) RECEIVEDS

State of West Wirginia Bepartment of Mines

Date March 28, 1983
Operator's
Well No. R-101
Farm W. D. Shields
API No. 47 - 085 - 5962

DEPT. OF MINES

WELL OPERATOR'S REPORT

Bil and Gas Bivision

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	Layfield	Run		
District: Grant County Ri	tchie	Quadrangle	e Schul	tz 7½'
OMPANY RICHARDS ENERGY, INC.				
ADDRESS P. O. BOX 3, BELPRE, OHIO 45714	Casing	Used in	Left	Cement
DESIGNATED AGENT C. W. Richards	Tubing	Drilling		fill up Cu. ft.
ADDRESS 2005 Foley Dr., Parkersburg, WV 26101	Size			
SURFACE OWNER W. D. Shields	20-16 Cond.			
ADDRESS Route 1, Cairo, WV 26337	13-10"	313.45	yes	160 sx.
MINERAL RIGHTS OWNER W. D. Shields Heirs	9 5/8	313:43	yes	100 5%.
ADDRESS Rt. 1, Cairo, WV 26337	8 5/8	1837.70	yes	215 sx.
OIL AND GAS INSPECTOR FOR THIS WORK amuel N. Hersman P. O. Box 66	7			
ADDRESS Smithville, WV 26178	5 1/2			100
PERMIT ISSUED 10-6-82	4 1/2	5,126.9	yes	240 sx. Pc 200 sx. RF
DRILLING COMMENCED 11-3-82	3	102 250		200 SA: KI
DRILLING COMPLETED 11-9-82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Alexander		Dep	<b>th</b> 540	o feet
Depth of completed well 5267 feet				
		foot		alumi meraja
Water strata depth: Fresh None feet;	Salt Nor	e feet		
	AGE TO THE		ed in the	e area? No
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)	AGE TO THE		ed in the	e area? No
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  OPEN FLOW DATA	_ Is coal	being min		
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  DPEN FLOW DATA  Producing formation Benson, Bradford, Dev	Is coal	being min	<b>th</b> 3608-4	.928 <b>feet</b>
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  DPEN FLOW DATA  Producing formation Benson, Bradford, Dev Gas: Initial open flow Show Mcf/d	Is coal  Oil: In:	being min	th_3608-4 flow	928 <b>feet</b> 0- <b>Bbl/d</b>
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  DPEN FLOW DATA  Producing formation Benson, Bradford, Dev Gas: Initial open flow Show Mcf/d  Final open flow 707 M Mcf/d	Is coal  Shale Pay  Oil: In:	being min y zone dep itial open nal open f	th 3608-4 flow - low Sho	928 feet 0- Bbl/d w Bbl/d
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  DPEN FLOW DATA  Producing formation Benson, Bradford, Dev Gas: Initial open flow Show Mcf/d  Final open flow 707 M Mcf/d  Time of open flow between init	Is coal  Shale Pay Oil: In: Fin	being min- y zone dep itial open hal open f inal tests	th 3608-4 flow - low Sho	928 feet 0- Bbl/d w Bbl/d
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  OPEN FLOW DATA  Producing formation Benson, Bradford, Dev Gas: Initial open flow Show Mcf/d  Final open flow 707 M Mcf/d  Time of open flow between init Static rock pressure 600 psig(surface)	Is coal  Oil: In:  Fin  tial and f:	being min- y zone dep itial open hal open f inal tests	th 3608-4 flow - low Sho	928 feet 0- Bbl/d w Bbl/d
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  OPEN FLOW DATA  Producing formation Benson, Bradford, Dev Gas: Initial open flow Show Mcf/d  Final open flow 707 M Mcf/d  Time of open flow between init Static rock pressure 600 psig(surface) (If applicable due to multiple completion)	Is coal  Oil: In  Fin  tial and fine  measure  n)	being mind y zone dep itial open hal open f inal tests ment) afte	th 3608-4 flow - low Sho ho	928 feet 0- Bbl/d w Bbl/d ours urs shut in
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  OPEN FLOW DATA  Producing formation Benson, Bradford, Dev Gas: Initial open flow Show Mcf/d  Final open flow 707 M Mcf/d  Time of open flow between init Static rock pressure 600 psig(surface) (If applicable due to multiple completion) Second producing formation Balltown, Devo	Is coal  7. Shale Pay  Oil: In:  Fin  tial and f:  ce measure  n)  onian Sh Pay	being mind y zone dep itial open hal open f inal tests ment) afte	th 3608-4 flow - low Sho hc r 72 hou	928 feet 0- Bbl/d w Bbl/d ours ars shut in
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  DPEN FLOW DATA  Producing formation Benson, Bradford, Dev Gas: Initial open flow Show Mcf/d  Final open flow 707 M Mcf/d  Time of open flow between init Static rock pressure 600 psig(surface) (If applicable due to multiple completion) Second producing formation Balltown, Devo Gas: Initial open flow Show Mcf/d	Is coal  Oil: In  Fin  tial and fine  measure  onian Sh Par  Oil: In	being min- y zone dep itial open hal open f inal tests ment) afte y zone dep itial open	th 3608-4 flow - low Sho ho r 72 hou th 3608-4	928 feet 0- Bbl/d 0w Bbl/d ours 05/202feet 0- Bbl/d
Water strata depth: Fresh None feet; Coal seam depths: 946 - 950 (?)  OPEN FLOW DATA  Producing formation Benson, Bradford, Dev Gas: Initial open flow Show Mcf/d  Final open flow 707 M Mcf/d  Time of open flow between init Static rock pressure 600 psig(surface) (If applicable due to multiple completion) Second producing formation Balltown, Devo	Oil: In:  onian Sh.Par  Oil: In:  Oil: In:  Oil: In:  Oil: Fir	being min- y zone dep itial open hal open f inal tests ment) afte y zone dep itial open hal open f	th 3608-4 flow sho  r 72 hou  th 3608-4 flow sho  low sho	928 feet 0- Bbl/d burs ars shut in 05/202feet 0- Bbl/d Bbl/d



IV-35 (Rev 8-81)

## State of Mest Virginia Department of Mines Gil and Gas Division

Date_ Operator's	
Well No.	
Farm	and the same of the same and the
API No	-

# WELL OPERATOR'S REPORT

## DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: Watershed				
District:County			2	and the state of t
COMPANY	1			Cement
ADDRESS	Casing	Used in		fill up
DESIGNATED AGENT	Tubing	Drilling	in Well	Cu. ft.
ADDRESS	Size 20-16			
SURFACE OWNER	Cond.			
ADDRESS	13-10"			
MINERAL RIGHTS OWNER	9 5/8			
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7			
ADDRESS	5 1/2			
PERMIT ISSUED_	4 1/2			
DRILLING COMMENCED	3			
DRILLING COMPLETED	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	*		Sand	
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners	appearance of the process of the second		
ON			-	
GEOLOGICAL TARGET FORMATION		Dep	th	feet
Depth of completed well feet	Rotary	/ Cable	e Tools_	
Water strata depth: Fresh feet	; Salt_	feet		
Coal seam depths:				area?
OPEN FLOW DATA				
	Da	u zona den	th ·	feet
Producing formation  Gas: Initial open flow Mcf/d				
Management of the control of the con				
Final open flow Mcf/d				
Time of open flow between in		100		
Static rock pressurepsig(surf		ment) arte	04/	05/2024
(If applicable due to multiple completi				6
Second producing formation				
	i Oil: In	itial open	ITOM	BD1/0
Gas: Initial open flow Mcf/d				m1 3 /

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

#### WELL LOG

Shale Sand Sand Sand Sand Sand Sand Sand Sand	FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand Shale Sand Black Shale Sand Black Shale Sand Black Shale Sand Sand Shale Sand Sandy S	Shale	1341	1376	CHILD VALVE
Shale	Sand			
Sand   1428   1490   1520   1620   1620   1620   1620   1620   1665   1745   1785   1785   1805	Shale			
Black Shale Sand Sand Shale 1620 Sand, Maxton Lime Sand, Maxton Lime Shale Sand Shale Sand Shale Sand Shale Sand Shale Sand Shale Sand Lime & Injun Sand Sand Shale Sand Shale Sand Shale Sand Sand Shale Sand Sand Sand Sand Sand Sand Sand Sand	Sand		1	
Sand Shale	Black Shale	1490		
Shale Sand, Maxton Lime Shale	Sand			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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1785				
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Sand and Shale Shale Shale Sand Sandy Shale Shale Sand Sandy Shale				
Shale Sand Sandy Shale Sand Sandy Shale Sand Sandy Shale Light Brown Sand Sandy Sand Sand Sand Sandy			1	
Sandy Shale Sandy Shale Sandy Shale Light Brown Sand Sandy Shale Sandy Shale Light Brown Sand Sandy Shale Sandy Shale Light Brown Sand Sandy Sand S		A CONTRACTOR OF THE PARTY OF TH	1	
Sandy Shale Sand Sandy Shale Light Brown Sand Sandy Shale F.D.  FORMATION TOPS FROM ELECTRIC LOG Second Salt Sand Third Salt Sand Third Salt Sand Big Lime Big Lime Gordon Stray Fifth Sand  Riley Stray Benson  Sandy Shale  2448 2617 2623 4790 Gas Ck 2706, 8/10 1" wtr in Gas Ck. 3120 5/10 wtr in Gas Ck. 3377 2/10 wtr in Gas Ck. 3505, 2/10 wtr in Gas Ck. 4714 2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 4529,		The state of the s	The second secon	dab ck. 2230 13710 1 Wol.
Sandy Shale Light Brown Sand Sand Sand Light Brown Sand Sandy Shale Light Brown Sand Sand Sand Light Sand Sand Sand Light Sa				DEORGA DE CONTROL
Sandy Shale Light Brown Sand Sandy Shale Light Brown Sand Sandy Shale F.D.  FORMATION TOPS FROM ELECTRIC LOG Second Salt Sand Third Salt Sand Third Salt Sand Big Lime Big Injun  Berea Gordon Stray Fifth Sand  Riley Stray Benson  Sandy Shale  2623 4790 4800 5267  Gas Ck. 2706, 8/10 1" wtr in Gas Ck. 3120 5/10 wtr in Gas Ck. 3377 2/10 wtr in Gas Ck. 3505, 2/10 wtr in Gas Ck. 4114 2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 2706, 8/10 1" wtr		The total of the second		erranes en la companyamente de companyamente de la companyamente del companyamente de la companyamente del companyamente de la companyamente de la companyamente de la companyamente del companyamente de la companyamente del
Light Brown Sand Sandy Shale T.D.  FORMATION TOPS FROM ELECTRIC LOG Second Salt Sand Third Salt Sand Big Lime Big Injun  Berea Gordon Stray Fifth Sand  Riley Stray Benson  A790 4800 5267  Gas Ck. 3120 5/10 wtr in Gas Ck. 3377 2/10 wtr in Gas ck. 3505, 2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas Ck. 3794 2/10 wtr in Gas Ck. 3120 5/10 wtr in Gas Ck. 3120 5/10 wtr in Gas Ck. 3120 5/10 wtr in Gas Ck. 3505, 2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck. 5200,2/10 wtr in Gas Ck. 4529,2/10 wtr in Gas Ck				Gas Ck 2706 8/10 1" wtr
Sandy Shale T.D.  5267  Gas Ck. 3377 2/10 wtr in Gas ck. 3505, 2/10 wtr in Gas ck. 3794 2/10 wtr in Gas ck. 4114 2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 5200,2/10 wtr		Branch Control of the		
Second Salt Sand			1	
Gas ck. 3794 2/10 wtr in Gas ck. 4114 2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 5200,2/10 wtr		1	3201	
FORMATION TOPS FROM ELECTRIC LOG  Second Salt Sand  Third Salt Sand  1672 Third Salt Sand  1853 Big Injun  Berea  Gordon Stray Fifth Sand  Riley Stray Benson  Gas ck. 4114 2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 4114 2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 4114 2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 4114 2/10 wtr in Gas ck. 4114 2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 4114 2/10 wtr in Gas ck. 4114		3201		
Second Salt Sand Third Salt Sand 1672 Third Salt Sand 1797 Big Lime 1853 Big Injun 1928 2022  Berea Gas ck. 4529,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 4529,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 65200,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 65200,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 5200,2/10 wtr in Gas ck. 65200,2/10 wtr in Gas ck. 5200,2/10	FORMATION TOPS FROM FIECTRIC LOC			
Third Salt Sand Third Salt Sand Big Lime Big Injun  Berea Gordon Stray Fifth Sand  Riley Stray Benson  Gas ck. 5200,2/10 wtr in  2413 2528 2801  AUG 2 9 1983  4234 4710				
## Safe Sand ## 1797  ## Big Lime ## 1853  ## Big Injun ## 1928 ## 2022  ## Berea ## 2413  ## Gordon Stray ## 2528  ## Fifth Sand ## 2801  ## Riley Stray ## 4234  ## Benson ## 4710	Second Salt Sand	1	ham had been	
Big Injun       1928       2022         Berea       2413         Gordon Stray       2528         Fifth Sand       2801         Riley Stray       4234         Benson       4710	Third Salt Sand			das ck. 7200,2710 will in 1
Berea 2413 Gordon Stray 2528 Fifth Sand 2801  Riley Stray 4234 Benson 4710			Paul Charles	
Gordon Stray 2528 Fifth Sand 2801  Riley Stray 4234 Benson 4710	Big Injun	1928	2022	
Gordon Stray 2528 Fifth Sand 2801  Riley Stray 4234 Benson 4710	Berea	2/13		MECE! WEIN
Fifth Sand 2801  Riley Stray 4234 Benson 4710  AUG 2 9 1983				IN GOCA GILL
Riley Stray Benson 4234 4710 AUG 2 9 1983				
Benson 4234 4710	Titeli balla	2001		GE 6110 2 0 1983
Benson 4710	Riley Stray	4234		MOG 2 3 1000
I CAC DIVISION			-	
Alexander Not present	Alexander	Not present		OIL & GAS DIVISION
DEPT. OF MINES	and the state of t	Thot present		DEPT. OF MINES

(Attach separate sheets as necessary)

RICHA	RDS ENERG	Y, INC.	97.217	6
Well By:	Operator C. M.	Ruhan	de 04/05/2024	
Date:	3/28/83			STORE IN THE RESIDENCE AND ADDRESS AND ADD

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including worl, encountered in the drilling of a well."

### DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



NOV 9 - 1982

### OIL AND GAS DIVISION WY DEPARTMENT OF MINES

### INSPECTOR'S WELL REPORT

Permit No. 85-5962

Permit No. 85 -3 7			The second of the second	Oil o	Gas Well
Company Richar	ds Energy Duc.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
ddress	00	Size		- 2- 3-	
mW. D. Sh	Lie als	16			Kind of Packer
No. 1068		13			
Grant	County Ritchio	81/4			Size of
mmenced		6%			Depth set
pleted	Total depth	5 3/16			
		3		2	Perf. top
	Depth of shot	2			Perf. bottom
)W	/10ths Water inInch	Liners Used			Perf. top
ubing	/10ths Merc. inInch				Perf. bottom
	Cu. Ft.	CASING CEMEN	TED	SIZE	No. FTDate
e	lbshrs.	NAME OF SERV			Date
	bbls., 1st 24 hrs.	COAL WAS ENC	OUNTERED A	Т	FEETINCHES
	feetfeet				FEETINCHES
19.4.2.2.2000	feetfeet				
	Service Control of the Control of th				FEETINCHES
B.K.	Reed - Y. R. Hump	skrey - &	1-9% ten	noy	
wife /	rieg 15	look Justo	ar all	len In	ith
	out on Kocalion-O	et up rice			
1-	of IT. all lime	Res proper	20 A. A	· CACC -	
Ro	ad groveled atentra	mesto Con	t D		<b>7</b> *

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

			ADDRESS		- C - 100 - 5-	
ARM	8 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DISTRI		COUNTY	23/ >	. 74.85
illing Material Used			****			
iner Loc	eation	Amoun	t Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
per a va						<del>'/</del>
			real-little of property control putals			\$ 1750 W.
				8 1 20	. Mahalan	150 m 161
			and the second second			
	17. (238)		Early Skill Commission (Child Calific.)			
			400		and the second	retale

I hereby certify I visited the above well on this date.

DATE

# DEPARTMENT OF MINES



NOV 9 - 1982

### OIL AND GAS DIVISION WY DEPARTMENT OF MINES

### INSPECTOR'S WELL REPORT

Permit No. 85-5962 Oil or Gas Well. (KIND) CASING AND USED IN LEFT IN PACKEDS Size Kind of Packer\_\_\_ Well No. Size of Drilling commenced //-Depth set\_\_\_\_ 5 3/16\_ Drilling completed\_\_\_\_\_Total depth\_ Perf. top\_\_\_\_ Depth of shot Date shot Perf. bottom\_\_\_ Initial open flow\_\_\_\_\_/10ths Water in\_ Liners Used Perf. top\_ Open flow after tubing\_\_\_\_\_/10ths Merc. in\_\_\_\_Inch Perf. bottom\_ Volume\_ \_Cu. Ft. CASING CEMENTED\_\_\_\_ SIZE\_ \_No. FT.\_\_\_\_Date Rock pressure\_\_\_\_ NAME OF SERVICE COMPANY lbs. hrs. Oil \_bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT\_\_\_\_\_FEET\_\_ INCHES Fresh water\_ FEET INCHES FEET \_INCHES Salt water\_ feet feet FEET\_ INCHES FEET INCHES Drillers' Names B. R. Reed - B. R. Humpforey - & M. temmey too Pusher allen Smith Ran 3/3 foot of 1/3 casing - 8 Joints total Dowellran 160 sacks cement Plug Down at 3:30 AM.

11-4-82 DATE

Samuel M. 94/05/2024

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRESS			
ARM	MCOUNTY					
illing Material Used						
iner Lo	cation	Amount	Packer	Location		18/12
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			The state of the s			
	× ·		The second secon		7 - Signa 10	
			10'11867			
100			at any butter and			
	****					
illers' Names						
nero mante						
marks:	Charles Contract	1/2 0	Sella Erman Pallage	Tark.		art e
	and from					

04/05/2024
DISTRICT WELL INSPECTOR

# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

# RECEIVED

MOV 15 1982

# INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

Permit No. 85-5962			Oil o	r Gas Well
Company Richards Energy Inc.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
ddress	Size			and the second
W. A. Skields	16			Kind of Packer
1068	13	A the second of the second of the		Constitution of the second section of the
Trant County Ritchio	81/4			Size of
commenced // -3 -82	65%			Depth set
	5 3/16			Depth set
pletedTotal depth	3			Perf. top
Depth of shot	Liners Used	3 2		Perf. bottom
en flow/10ths Water inInc		a agoud a		Perf. top Perf. bottom
Cu. Ft				No. FTDate
bbls., 1st 24 hrs	. COAL WAS EN	COUNTERED	AT	FEETINCHES
feetfeet				FEETINCHES
feetfeet		INCH		FEETINCHES
P.R. Reed - H.R. Hum	pares - 5	1.91		
Rig # 15	tool Push	ler All	iney in Am	ath
on 11-6-82 Ran 183 Dowellran 215 sa Plug Down at 2:00	7' lant al	25	ing	
4755 foot Deep at the				

Samuel M.

DISTRICT WELL INSPECTOR

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

Permit No	-	-	· · · · · · · · · · · · · · · · · · ·	We	II No	X	
COMPANY			ADDRESS		100		
FARMDISTRICTCOUNTY							
Filling Material Used							
Liner Lo	cation	Amoun	nt Packer Location				
PLUGS USED AND DEPTH PLACED			BRIDGES	CASIN	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST	
				0 - 0 - 4			
*				Table and			
					1 - 12 - 4		
					i arra		
	12,7 %		to the second		* in configuration	No see No control of	
	,		en state, for		to .		
	The fine is the second of the		3/45-2				
Orillers' Names					A. A. A. A. A.		
Remarks:			- #2 - 2 0 /4 - 00 C - 2 /2	. 32-	TY.		
•							
DATE	I hereby certify I	visited the ab	ove well on this date.				
					04/05	/2024	

DISTRICT WELL INSPECTOR

# STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION FINAL INSPECTION REQUEST INSPECTOR'S COMPLIANCE REPORT



OIL & GAS DIVISION DEPT. OF MINES

Permit No	085-5962	CountyRItchie		
Company Richa	ards Energy, Inc.	District Grant		
Inspector	EL N. HERSMAN	Farm W. D. Shields		
DateOctober	5, 1983	Well No. R-101	Issued_	10-25-82
RULE	DESCRIPTION		IN Yes	COMPLIANCE No
23.06	Notification prior to	starting work		
25.04	Prepared before drilli	ng to prevent waste		- 7
25.03	High-pressure drilling			
16.01	Required permits at we	llsite		
5.03	Adequate fresh water ca	asing		
15.02	Adequate coal casing			
15.01	Adequate production cas	sing		
15.04	Adequate cement streng	th		
23.02	Maintained access roads	s		
25.01	Necessary equipment to	prevent waste		
23.03	Reclaimed drilling site	2	$\chi$	
23.04	Reclaimed drilling pits	5	X	
23.05	No surface or undergrou	and pollution		
7.05	Identification markings	5	V	
COMMENTS:	O.K. To RE	LE198E.		

I have inspected the above well and have found it to be in compliance with the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia, and the well can be released from the permitted work.

SIGNED

ATE: 12-8 - 9

04/05/2024

LANGEID Run.



# State of Mest Virginia Department of Mines

Oil and Cas Division Charleston 25305

WALTER N. MILLER DIRECTOR

December 27, 1983

Richards Energy Company P. O. Box 3 Belpre, Ohio 45714 THEODORE M. STREIT ADMINISTRATOR

### Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

PEI	RMIT NUMBER	FARM	AND WELL NUMBE	ER	DISTRICT
RIT	-5121 -5193 -5962	J. A.	Wilson, #R-21 Wilson, #R-22 Shields Heirs,	#R-101	Union Union Grant

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.

Very truly yours,

Theodore M. Streit, Administrator

Dept. Mines-Office of Oil & Gas

TMS/rl

