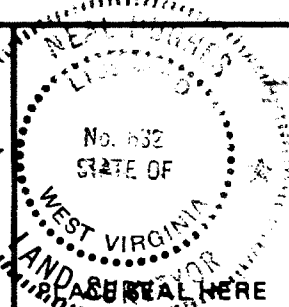


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION BM RACY BRIDGE
668'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Neal Hughes
 R.P.E. _____ L.L.S. 632



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE DEC. 23, 19 82
 OPERATOR'S WELL NO. JACKSON #7
 API WELL NO. _____

47 - 085 - 6545
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 735' WATER SHED RIGHT FORK OF GILLESPIE RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE MACFARLAN 7 1/2' Norrisville 15' WC
 SURFACE OWNER OREN JACKSON ACREAGE 274
 OIL & GAS ROYALTY OWNER OREN JACKSON OLIN JACKSON N. MACE LEASE ACREAGE 274
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5700 6-6 Rutherford
 WELL OPERATOR Oil Development Co. DESIGNATED AGENT RONALD NUDELLA (117)
 ADDRESS P.O. BOX 165 ADDRESS P.O. BOX 165
DAVISVILLE, W.VA. 26142 DAVISVILLE, W.VA. 26142



IV-35
(Rev 8-81)

RECEIVED
OCT 21 1983

Date July 27, 1983
Operator's Well No. Jackson # 7
Farm Oren Jackson
API No. 47- 085 - 6545

State of West Virginia
Department of Mines
Oil and Gas Division
OIL & GAS DIVISION
DEPT. OF MINES OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ~~xx~~ / Gas ~~xx~~ / Liquid Injection / Waste Disposal /
(If "Gas," Production ~~xxx~~ Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 735' Watershed Right Fork of Gillespie Run
District: Grant County Ritchie Quadrangle Macfarlan

COMPANY Alan Gable Oil Development Co.
ADDRESS P O Box 166, Davisville, WV
DESIGNATED AGENT Ron Kudella
ADDRESS P O Box 166, Davisville, WV
SURFACE OWNER Oren Jackson
ADDRESS Petroleum, WV
MINERAL RIGHTS OWNER Oren, Olin, Neva Jackson
ADDRESS Petroleum, WV
OIL AND GAS INSPECTOR FOR THIS WORK
Sam Hersman ADDRESS Smithville, WV
PERMIT ISSUED #6545
DRILLING COMMENCED 6/17/83
DRILLING COMPLETED 6/25/83
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.	17 1/2	40'	25 sks
13-10"			
9 5/8			
8 5/8	8 5/8	851'	200 sks
7			
5 1/2			
4 1/2	4 1/2	4000'	500 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Depth 5800 feet
Depth of completed well 4000 feet Rotary xxx / Cable Tools
Water strata depth: Fresh 100 feet; Salt 175 feet
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA

see back
Producing formation Speechley, Balltown Pay zone depth 3479-4100 feet
Gas: Initial open flow 3,980 Mcf/d Oil: Initial open flow -- Bbl/d
Final open flow 3,760 Mcf/d Final open flow -- Bbl/d
Time of open flow between initial and final tests 12 hours
Static rock pressure 1100 psig (surface measurement) after 8 hours shut in
(If applicable due to multiple completion--)
Second producing formation Gordon, Berea Pay zone depth 2172-2578 feet
Gas: Initial open flow aa Mcf/d Oil: Initial open flow aa Bbl/d
Final open flow aa Mcf/d Oil: Final open flow aa Bbl/d
Time of open flow between initial and final tests aa hours
Static rock pressure aa psig (surface measurement) after aa hours shut in

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

3996-4000	4	holes
3771-76	5	
3554-59	4	Huron
3534-39	5	
3498-3504	7	5 mmcf N2
3477-82	5	
2572-77	6	Top Devondiff (401)
2172-76	5	

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
	0 to 1557		n/a		
Maxon			1557	1592	
-Big Lime			1615	1682	
Keener			1684	1716	
Big Injun			1741	1785	
Squaw			1794	1804	
Berea			2122	2128	
Gantz			2280	2300	
Gordon			2570	2578]
Kower Speechley			3454	3514	
Balltown			3965		
TD			4100	Huron @ TD.	4100 2128 <hr/> 1972

(Attach separate sheets as necessary)

Alan Gable Oil Development Co.

Well Operator

By: Jubal S. Terry

Date: July 27, 1983

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 coal, encountered in the drilling of a well."