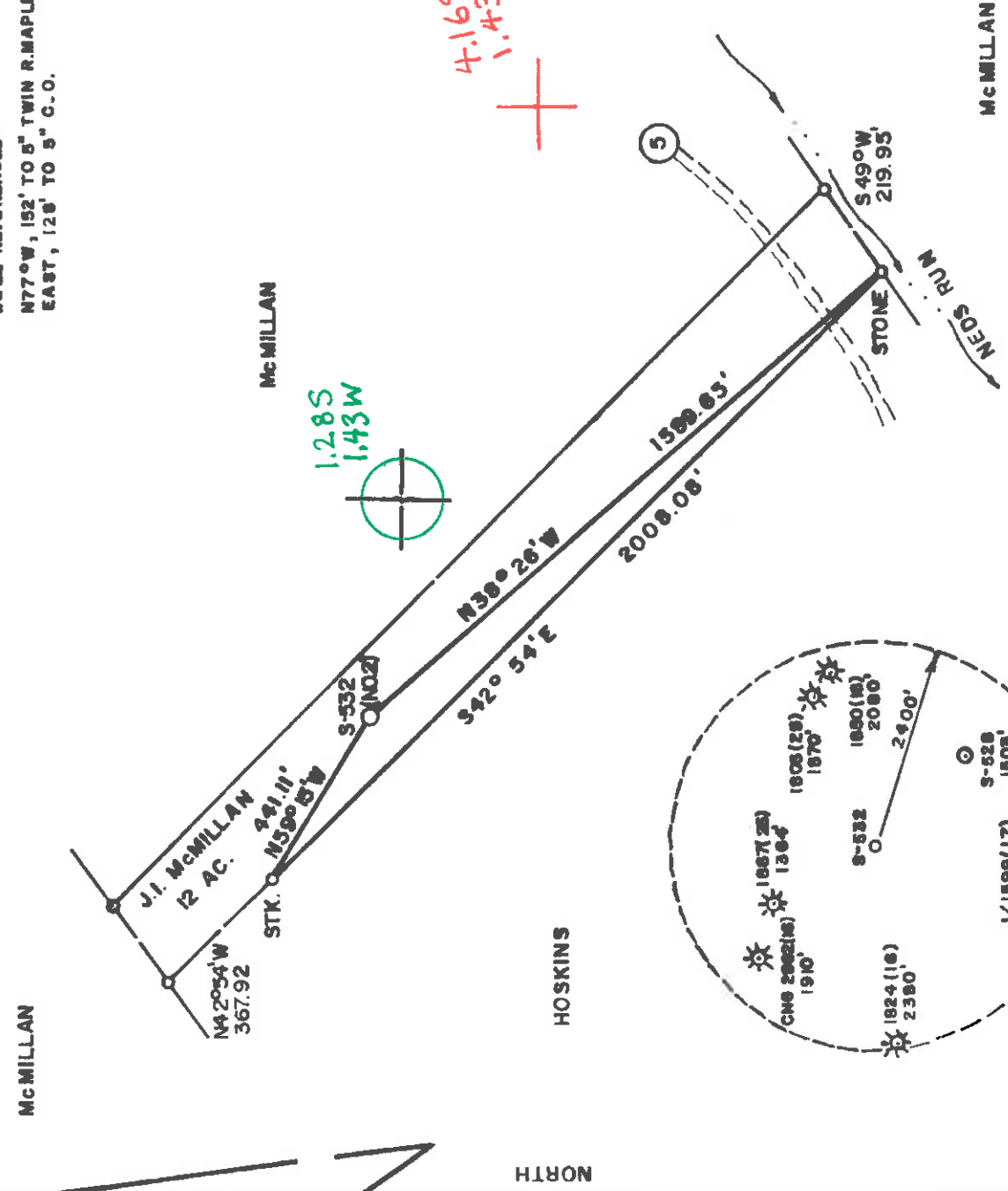


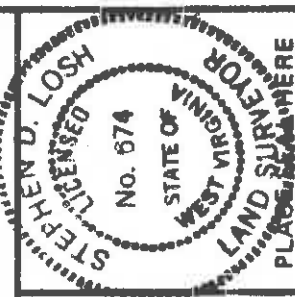
7600  
LATITUDE 39° 22' 30"  
LONGITUDE 80° 40' 00"

CODE

WELL REFINISHED -  
N77°W, 152' TO 5" TWIN R. MAPLE  
EAST, 128' TO 5" C.O.



LAND SURVEYING SERVICES  
1412 N. 18 TH ST.  
CLARKSBURG, WV 26301  
PHONE : 304-745-4426



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) *Stephen D. Losh*  
R.P.E. L.L.S. STEPHEN D. LOSH 674

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 400'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION EXIST WELL NO. 1887  
ELEV. 1036

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION



DATE JULY 24, 19 84  
OPERATOR'S WELL NO. S-532  
API WELL NO. McMILLAN NO. 2

47 - 017 - 3345  
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 1205' WATER SHED NEDS RUN  
DISTRICT GRANT 3 COUNTY DODDRIDGE

SURFACE OWNER QUADRANGLE 271 SMITHBURG 7.5 min. CENTER POINT 022 004  
OIL & GAS ROYALTY OWNER JOHN I. McMILLAN ACREAGE 264.90 LEASE ACREAGE 12

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

PLUG AND ABANDON  CLEAN OUT AND REPLUG \_\_\_\_\_  
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5750'  
WELL OPERATOR JAMES F. SCOTT 806 DESIGNATED AGENT DARREL WRIGHT  
ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112  
SALEM, WV 26426 SALEM, WV 26426

4-6 Smithton-Flint-Sedalia (99)  
AUG 27 1984



Date November 9, 1984  
Operator's  
Well No. S-532  
Farm John McMillan #1  
API No. 47 - 017 - 3345

**RECEIVED**  
NOV 13 1984  
Department of Mines  
Oil and Gas Division  
DEPT. OF MINES

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1205 Watershed Neds Run  
District: Grant County Doddridge Quadrangle Smithburg

COMPANY James F. Scott  
ADDRESS P. O. Box 112, Salem, WV 26426  
DESIGNATED AGENT Darrel Wright  
ADDRESS P. O. Box 112, Salem, WV 26426  
SURFACE OWNER Cecil Radcliff  
ADDRESS Route 2, West Union, WV  
MINERAL RIGHTS OWNER John McMillan  
ADDRESS Weirton, WV 26062  
OIL AND GAS INSPECTOR FOR THIS WORK Mike  
Underwood ADDRESS Rt. 1, Salem, WV  
PERMIT ISSUED 8/20/86  
DRILLING COMMENCED 9/10/84  
DRILLING COMPLETED 9/16/84  
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 Cond.			
13-10"	40'		
9 5/8			
8 5/8		1607'	to surface
7			
5 1/2			
4 1/2		5312'	725 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth \_\_\_\_\_ feet  
Depth of completed well 5475 feet Rotary x / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh \_\_\_\_\_ feet; Salt \_\_\_\_\_ feet  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Gordon, 5th Sand Pay zone depth 2854-2875 feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 237 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 300# psig (surface measurement) after \_\_\_\_\_ hours shut in  
(If applicable due to multiple completion---)  
Second producing formation Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

DEC 03 1984 (Continue on reverse side)

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

Gordon Perfs 2854-2875 300 sks 20/40 sand  
 5th Sand 3153-3155 300 sks 20/40 sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Gravel			0	5	Including <u>indication</u> of all fresh and salt water, coal, oil and gas.  Hole damp @ 538', 745', 821' & 935'
Sand			5	14	
Shale			14	253	
Coal & Shale			253	264	
Shale			264	749	
Sand			749	977	
Shale			977	1170	
Coal & Shale			1170	1172	
Shale			1172	1558	
Sand			1558	1663	
Shale			1663	1828	
Sand			1828	1890	
Shale			1890	2999	
Rock			2000	2012	
Shale			2012	2039	
Little Lime			2039	2056	
Shale			2056	2065	
Big Lime			2065	2168	
Shale			2168	2189	
Big Injun			2189	2580	
Sand			2580	2650	
Shale			2650	2909	
Sand & Shale			2909	3503	
Sandy Shale			3503	3565	
Shale			3565	3830	
Sand			3830	3956	
Sand & Shale			3956	4956	
Shale			4956	5111	
Sand & Shale			5111	5145	
Shale			5145	5214	
Sand			5214	<u>5475</u> TD	

*OK @ TD,*

(Attach separate sheets as necessary)

James F. Scott  
 Well Operator James F. Scott  
 By: \_\_\_\_\_  
 Date: 11/9/84

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 <sup>encountered</sup> encountered in the drilling of a well."

- 1) Date: August 15, 19 84  
 2) Operator's S-532 John McMillan #2  
 Well No. 47 - 017 - 3345  
 3) API Well No. 47 - 017 - 3345 State County Permit



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  Gas  B (if "Gas", Production  Deep  
 Elevation: 1205 Watershed: Neds Run OMI-30H4 Smithburg 7.5  
 District: Grant County: Doddridge Quadrangle: Darrel Wright  
 6) WELL OPERATOR: James F. Scott 7) DESIGNATED AGENT: Darrel Wright  
 Address: P. O. Box 112 P. O. Box 112  
Salem, WV 26426 Address: Salem, WV 26426

- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name: Mike Underwood 9) DRILLING CONTRACTOR:  
 Address: Route 2 Name: \_\_\_\_\_  
Salem, WV 26426 Address: \_\_\_\_\_

- 10) PROPOSED WELL WORK: Drill  Plug off old formation  Drill deeper  Redrill  Stimulate   
 Other physical change in well (specify) \_\_\_\_\_

- 11) GEOLOGICAL TARGET FORMATION, Alexander OIL & GAS DIVISION  
 12) Estimated depth of completed well, 5750 feet  
 13) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ feet. Is coal being mined in the area? Yes  No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used		
Conductor	11 3/4						
Fresh water							
Coal							
Intermediate	8 5/8						
Production	4 1/2			1200'	5750'	to surface 200 SKS	by rule 15.05 Dephis set
Tubing						as required by Perforations rule 15.01	
Liners							Top Bottom

Permit number 47-017-3345 Date August 20, 1984  
**OFFICE USE ONLY**  
**DRILLING PERMIT**

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)  
 The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.  
 Permit expires August 20, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>137</u>	Agent: <u>LO</u>	Plat: <u>MH MAU</u>	Casing	Fec
BLANKET				<u>2810</u>

T. Underwood  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.  
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File

