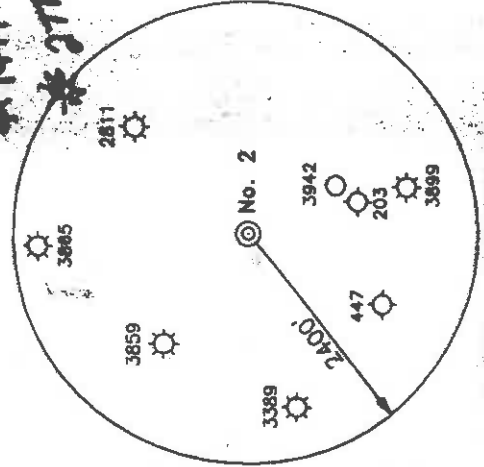
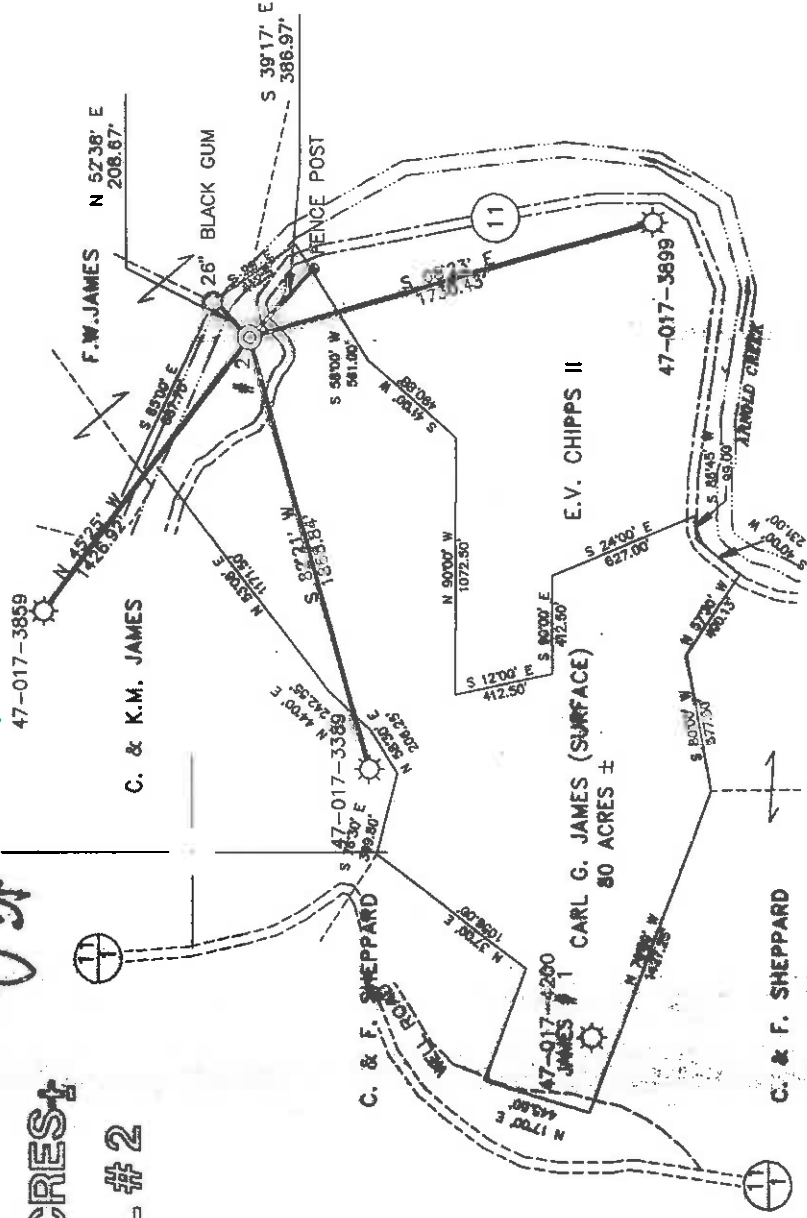


LATITUDE 39° 20' 00"

LONGITUDE 80° 47' 30"

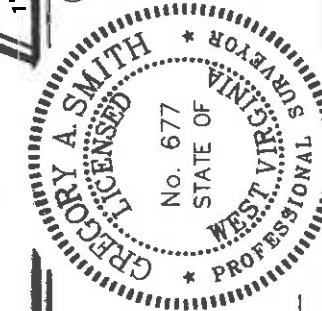
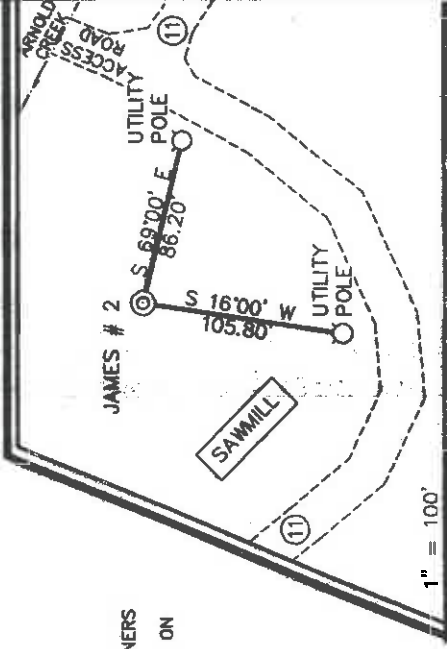
JAMES LEASE
80 ACRES ±
WELL # 2

07050
01800



NOTE: TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 2/14/96.

REFERENCES



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 ENERGY.

P.S. *Gregory A. Smith*
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE FEBRUARY 19, 19 96
OPERATORS WELL NO. JAMES # 2

API WELL NO. _____
STATE 47 COUNTY 017 PERMIT 04251

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3394P2 (55-49)
PROVEN SOURCE _____ SCALE 1" = 800'
OF ELEVATION JUNCTION OF ROADS, ELEV. = 755'

WELL TYPE : OIL _____ GAS INJECTION _____ WASTE _____ LIQUID _____ IF _____
"GAS" PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION : ELEVATION 755' WATERSHED ARNOLD CREEK
DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER CARL G. JAMES QUADRANGLE WEST UNION 7.5'
ROYALTY OWNER CARL G. JAMES ACREAGE 80
LEASE ACRES 80

PROPOSED WORK : LEASE NO. _____
DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD

FORMATION PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____ OTHER _____
PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION BENSON
Saltwater, Sulph., Falgouta ESTIMATED DEPTH 5900'

WELL OPERATOR MURVIN OIL CO. 595 DESIGNATED AGENT P. NATHAN BOWLES, JR.
ADDRESS P.O. BOX 297 DILNEY, IL 62450 ADDRESS P.O. BOX 1386 CHARLESTON, WV 25325

6-6-91

SEP 09 1996

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: JAMES, CARL G.

Operator Well No.: C. JAMES #2

LOCATION: Elevation: 755.00 Quadrangle: WEST UNION

District: CENTRAL County: DODDRIDGE
Latitude: 3720 Feet South of 39 Deg. 20 Min. 0 Sec.
Longitude 9520 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: MURVIN OIL COMPANY

1712 S. WHITTLE AVE/P.O. BX297
OLNEY, IL 62450-0297

Agent: P. NATHAN BOWLES, JR.

Inspector: MIKE UNDERWOOD
Permit Issued: 03/27/96
Well work Commenced: 08/14/96
Well work Completed: 08/29/96
Verbal Plugging
Permission granted on: _____ Rig
Rotary Cable _____
Total Depth (feet) 5073'
Fresh water depths (ft) 50', 155', 475'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

OPEN FLOW DATA

Size	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	123	123	123	83
8 5/8"	1143	1143	1143	295
4 1/2"	5001	5001	5001	581

Producing formation Third Riley-Benson-Alexander Pay zone depth (ft) 4575' to 4959'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 696 MCF/d Final open flow 4 Bbl/d
Time of open flow between initial and final tests _____ 4 _____ Hours
Static rock Pressure 1625 psig (surface pressure) after 72 Hours

Second producing formation Balltown-Riley Pay zone depth (ft) 3483' to 4250'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 696 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ 4 _____ Hours
Static rock Pressure 1625 psig (surface pressure) after 72 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: MURVIN OIL COMPANY

By: Gary L. Hill

Date: September 4, 1996

SEP 13 1996

08/27/96: Hitwell ran sonic bond log and perforated Alexander formation 4928' to 4959' (17 holes)

08/28/96: Halliburton foam fractured perfs with 308 bbls fluid, 37,500 lbs 20/40, 421 MSCF Nitrogen, and 500 gals 15% HCL acid.

Perforated Benson formation 4637' to 4639' (6 holes) and Third Riley formation 4575' to 4577' (4 holes). Foam fractured perfs with 144 bbls fluid, 30,000 lbs 20/40, 463 MSCF Nitrogen, and 500 gals 15% HCL acid.

Perforated Riley formation 4202' to 4250' (17 holes). Foam fractured perfs with 323 bbls fluid, 10,000 lbs 80/100, 40,000 lbs 20/40, 535 MSCF Nitrogen, and 500 gals 15% HCL acid.

Perforated Balltown formation 3483' to 3661' (18 holes). Foam fractured perfs with 279 bbls fluid, 5,000 lbs 80/100, 32,800 lbs 20/40, 400 MSCF Nitrogen, and 500 gals 15% HCL acid.

WELL LOG

Formation	Top	Bottom
Fill/Soil	0	13
Sand/Shale	13	21
Sand	21	60
Red Rock	60	80
Sand	80	111
Shale/Red Rock	111	1560
Little Lime	1560	1615
Shale	1615	1630
Big Lime	1630	1714
Big Injun	1714	1804
Shale	1804	1942
Weir	1942	2058
Shale	2058	2140
Berea	2140	2151
Shale	2151	2354
Gordon	2354	2360
Shale	2360	3003
Warren	3003	3085
Shale	3085	3098
Speechly	3098	3410
Shale	3410	3428
Balltown	3428	4148
Shale	4148	4178
Riley	4178	4264
Shale	4264	4554
Third Riley	4554	4588
Shale	4588	4630
Benson	4630	4646
Shale	4646	4882
Alexander	4882	4962
Shale	4962	5073
Total Depth	5073	5073

MAR 1 1990 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

1) Permit Operator: Murvin Oil Company ⁵⁹⁵ 34050 (1) 671
 Office of Oil & Gas

2) Operator's Well Number: C. James #2 3) Elevation: 755'
 Well type: (a) Oil / or Gas X / Issued 03/27/96
 (b) If Gas: Production X / Underground Storage / Expires 03/27/98
 Deep / Shallow X /

21716

Proposed Target Formation(s): Balltown, Riley, Benson, Alexander
 Proposed Total Depth: 5040 feet
 Approximate fresh water strata depths: 20, 40
 Approximate salt water depths: 920
 Approximate coal seam depths: -
 10) Does land contain coal seams tributary to active mine? Yes / No X /
 11) Proposed Well Work: Drill and Complete New Well
 12)

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOOTAGE	LEFT IN WELL	CEMENT
Conductor	13 3/4	L.S.	42	42	42	
Fresh Water	11 3/4	L.S.	42	100	100	<u>CTS O.I.C. Murvin</u>
Coal						<u>380551811.3</u>
Intermediate	8 5/8	L.S.	20 & 24	1130	1130	<u>380551811.2</u>
Production	4 1/2	10.5	J/K	5040	5040	375
Tubing						<u>380551811.1</u>
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only
 Fee(s) paid: [Signature] Well Work Permit [Signature] Reclamation Fund [Signature] WPCP
 Plat [Signature] WW-9 [Signature] WW-2B [Signature] Bond [Signature] Agent [Signature]
 (Type)

1) Date: March 1, 1996
2) Operator's well number C. James #2
3) API Well No: 47 - 017 - 4251
State 47 County 017 Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Carl G. James
Address Rt #1, Box 167-A
West Union, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mr. Mike Underwood
Address Rt 2, Box 135
Salem, WV 26426
Telephone (304) - 782-1043
5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Same as Surface Owner
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 8 on the above named parties, by:
X Personal Service (Affidavit attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Murvin Oil Company
By: Gary L. Hill
Its: Executive Vice President
Address P.O. Box 297
Olney, Illinois 62450

Subscribed and sworn before me this 33rd day of February, 1996
Robert A. Niel Notary Public
My commission expires November 9, 1996