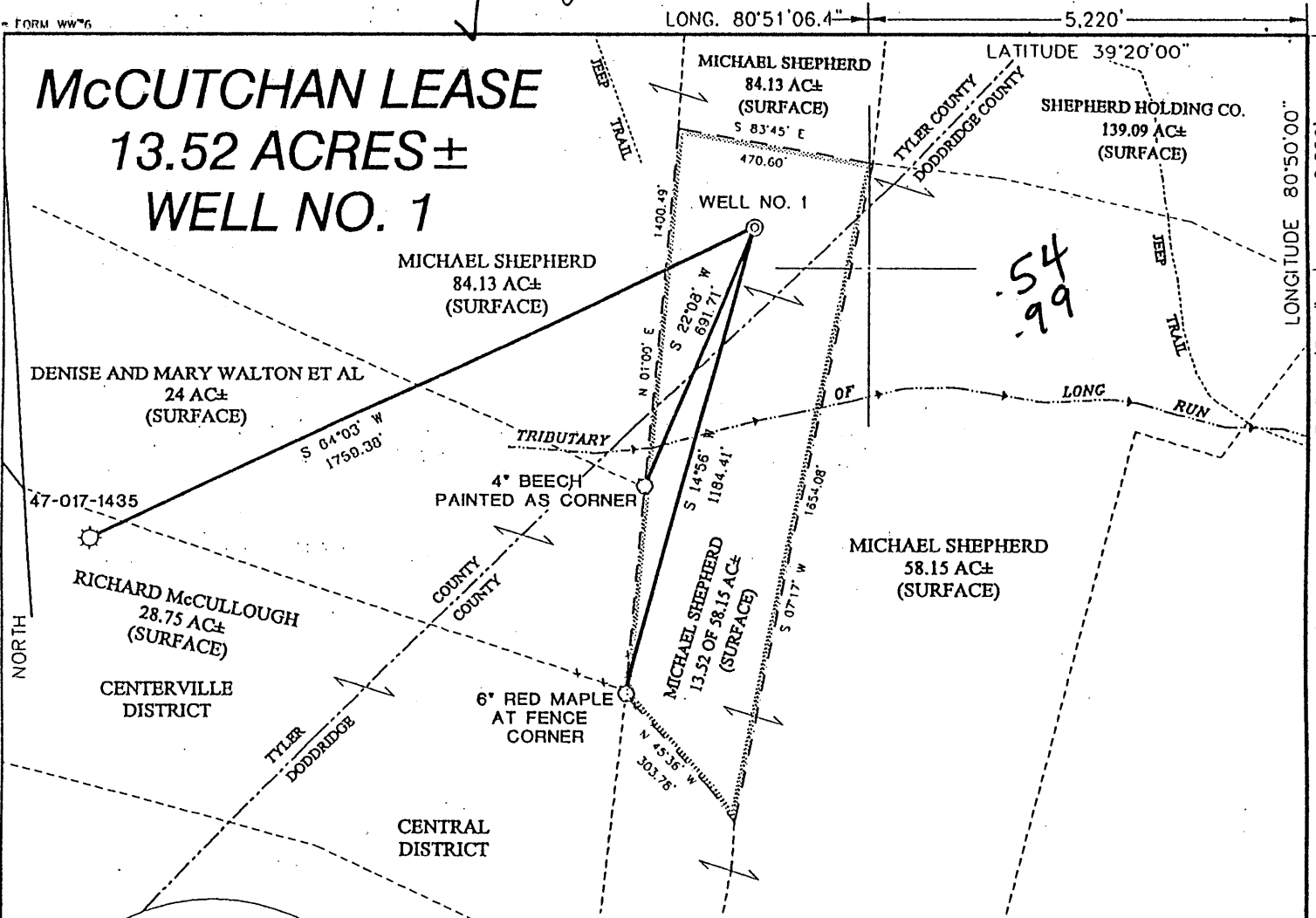


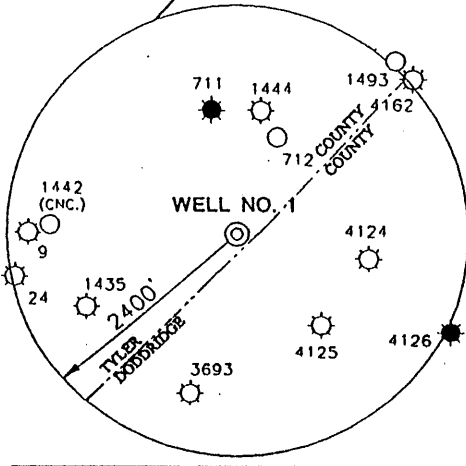
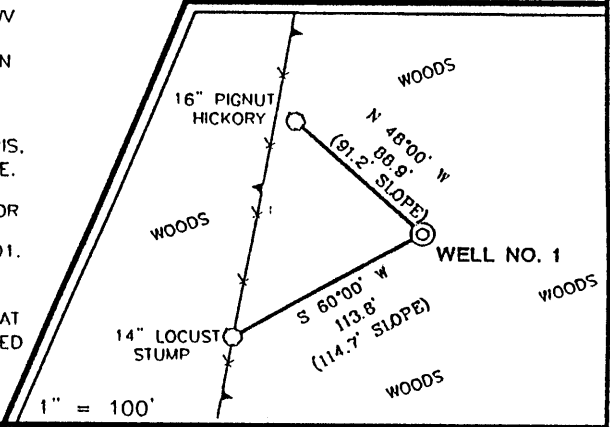
McCUTCHAN LEASE 13.52 ACRES ± WELL NO. 1



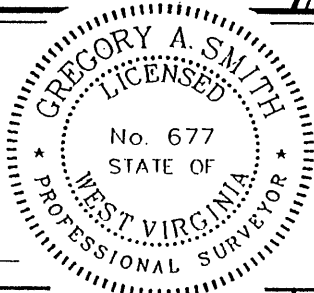
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10-01-01.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE OPINION DATED 9-25-01 AS PREPARED BY GARY MORRIS, LAWYER FOR McCUTCHAN/DOTSON LEASE.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN SEPTEMBER, 2001.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. REFERENCE IS HEREBY MADE TO "PLAT OF SURVEY FOR PAUL McCUTCHAN" DATED 4-28-1994 AS PREPARED BY JOHN STRICKLING, LLS 715.

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 DIVISION OF ENVIRONMENTAL PROTECTION.




P.S. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE OCTOBER 3 2001
 OPERATORS WELL NO. 1
 API WELL NO. 47 - 95 - 01715
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4876P1(114-11)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 832' SCALE 1"=400'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



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

LOCATION :
 ELEVATION 1027' WATERSHED TRIBUTARY OF LONG RUN
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5'
 SURFACE OWNER MICHAEL SHEPHERD ACREAGE 13.52 OF 58.15±
 ROYALTY OWNER PAUL McCUTCHAN ET AL LEASE ACREAGE 13.52±
 PROPOSED WORK :
 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 ALEXANDER
 ESTIMATED DEPTH 5600'

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN
 ADDRESS 22 GARTON PLAZA WESTON, WV 26452 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

NOV 02 2001

COUNTY NAME TYL
 PERMIT 1715

February 24, 2002
API# 47-017-~~5715~~

095-1715

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

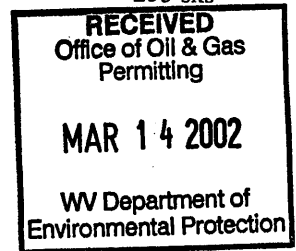
MB

Well Operators Report of Well Work

Farm name: Key Oil Company Operator Well #: McCutchan#1
Location: Elevation: 1027' Quadrangle: West Union 7.5'
District: Centerville County: ~~Dobbins~~ Tyler
Latitude 5,220 feet south of 39 Deg. 20 Min. 00 Sec.
Longitude 2,850 feet west of 80 Deg. 50 Min. 00 Sec.

Company: Key Oil Company
22 Garton Plaza
Weston, WV 26452

Agent: Jan Chapman Casing Used in Drilling Left in Well Cement Fill up
Inspector: Mike Underwood
Permit Issued: 10-31-01 11-3/4 129 129 65sks
Well Work Commenced: 01-06-02
Well Work Completed: 01-10-02 8-5/8 1700 1700 335 sks
Verbal Plugging
Permission granted on: 4-1/2 5294 255 sks
Rotary ___ Cable ___ Rig
Total Depth (ft) ?
Fresh water depth (ft) 665'
Salt water depth (ft) N/A
Is coal being mined in are (Y/N) N
Coal depths (ft)



OPEN FLOW DATA

Producing formation: Alexander Pay zone depths (ft) 5170-5213
Gas: Initial open flow odor mcf/d Initial open flow bbls/day
Final open flow 1500 mcf/d Final open flow bbls/day
Time of open flow between initial and final tests 48 Hours
Static rock pressure 1750 psig (surface pressure) after 48 Hours

Other producing formation: Riley/Benson Pay zone depths (ft) 4491-4899
Gas: Initial open flow * mcf/day Oil Initial open flow bbls/day
Final open flow * mcf/day Final open flow bbls/day
Time of open flow between initial and final tests 48 Hours
Static rock pressure * psig (surface pressure) after 48 Hours
*=commingled zones

For: Key Oil Company
By: *[Signature]*
Date: 02-24-02

MAR 22 2002

TYL 1715

API # 47-017-01715
McCutchan #1

Stage #1	perfs	sand	
Alexander	5193-5213	600 sks	60 quality foam
Stage #2			
Benson	4842-4900	350 sks	60 quality foam
Stage #3			
Riley	4491-4526	300 sks	60 quality foam

Drillers Log

Electric Log Tops

KB/GL	0-10	
Fill	10-13	
Sh/RR	13-38	
Sd/Sh	38-106	
RR	106-122	
Sd/Sh	122-170	
Sd	170-190	
Sd/Sh	190-247	
Sd	247-258	
RR	258-270	
Sd/Sh	270-310	
RR	310-330	
Sd/Sh	330-777	
RR	777-868	
Sd/Sh	868-896	
Sand	896-901	
Sd/Sh	901-1457	
Sd	1457-1549	
Sd/Sh	1549-1855	
L. Lime	1855-1900	
B. Lime	1900-1991	
B. Injun	1991-2070	gas check @ 2020' oil odor
Sd/Sh	2070-3350	gas check @ 3322' odor
Warren	3350-3410	
Sd/Sh	3410-3860	gas check @ 3818' odor
Balltown	3860-3975	
Sd/Sh	3975-4520	gas check @ 4503' odor; gas check @ 4508' odor
Riley	4520-4568	
Sd/Sh	4568-4930	
Benson	4930-4936	
Sd/Sh	4936-5200	gas check @ 5060' odor
Alexander	5200-5240	
Sd/Sh	5240-5392	gas check @ 5392' odor