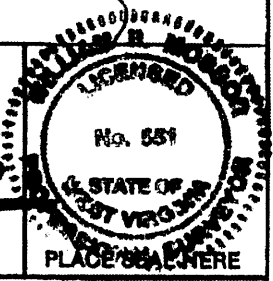


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION G.P.S. OBSERVATION

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 GOVERNING AND DESCRIBED BY THE DEPARTMENT OF ENERGY AND NATURAL RESOURCES.
 (SIGNATURE) _____
 R.P.E. _____ P.S. 551



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS

DATE JUNE 3, 2011
 OPERATOR'S WELL NO. 2009-1
 API WELL NO. 47-105-1362F

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 955' WATER SHED WALNUT RUN & ROCK RUN
 DISTRICT BURNING SPRINGS COUNTY WIRT
 QUADRANGLE BURNING SPRINGS - 3

SURFACE OWNER HEARTWOOD FORESTLAND (NUTTER) ACREAGE 46
 OIL & GAS ROYALT THORN C. ROBERTS LEASE AC 70 OF 1500+

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 MAXON & BIG INJUN ESTIMATED DEPTH 1750' TO 1790'
 WELL OPERATOR STANDARD OIL CO. INC. DESIGNATED AGEN Andy Zelner
 ADDRESS 156 MAIN ST. CAIRO, WV 26337 ADDRESS 160 1/2 Layne St Letart, WV 25253

CANCELLED



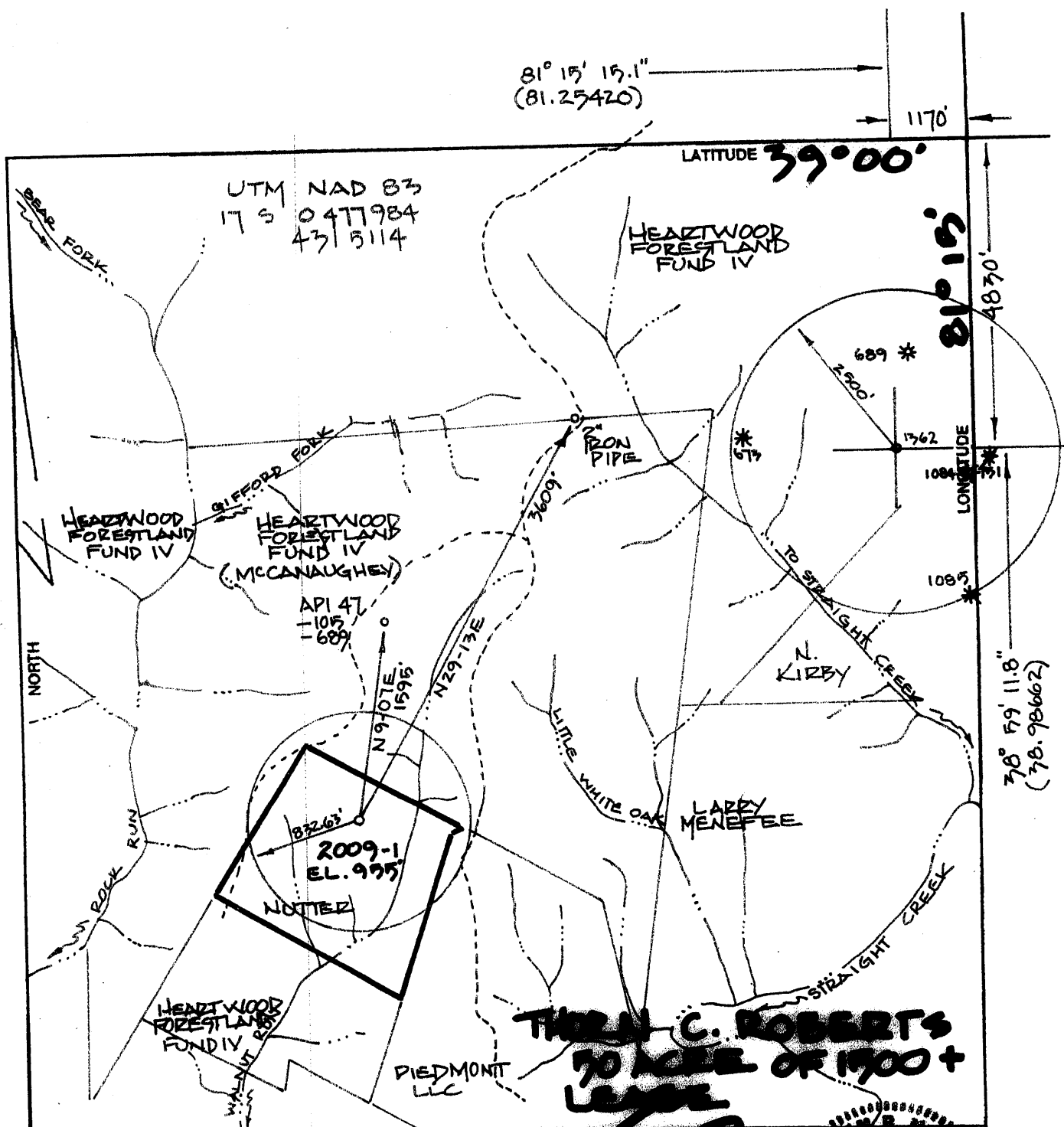
BURNING SPRINGS QUADRANGLE

SCALE 1" = 2000'

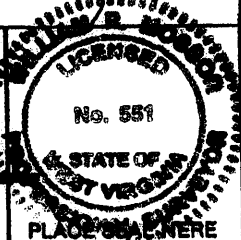
STANDARD OIL CO, INC.

WELL: 2009-1 API 47-105-1362
THORN C. ROBERTS 50 ACRES OF +1500 ACRE LEASE

BURNING SPRINGS DISTRICT WIRT COUNTY WEST VIRGINIA



**THOMAS C. ROBERTS
70 ACRES OF 1900+
LEASE**



FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION G.P.S. OBSERVATION

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 OF THE BOARD OF PROFESSIONAL ENGINEERS OF THE STATE OF WEST VIRGINIA.
(SIGNATURE) _____
R.P.E. _____ P.S. _____

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS		DATE <u>JUNE 3</u> , 20 <u>11</u>	
		OPERATOR'S WELL NO. <u>2009-1</u>	
		API WELL NO. <u>47-105-1362F</u>	
WELL TYPE: OIL <input checked="" type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION _____ WASTE DISPOSAL _____		STATE	COUNTY
(IF "GAS,") PRODUCTION <input checked="" type="checkbox"/> STORAGE _____ DEEP _____ SHALLOW <input checked="" type="checkbox"/>		PERMIT	
LOCATION: ELEVATION <u>995'</u> WATER SHED <u>WALNUT RUN & ROCK RUN</u>			
DISTRICT _____		COUNTY <u>WIRT</u>	
QUADRANGLE _____			
SURFACE OWNER <u>HEARTWOOD FORESTLAND (NUTTER)</u>		ACREAGE	<u>46</u>
OIL & GAS ROYALT <u>THOMAS C. ROBERTS</u>		LEASE AC	<u>50 OF 1500+</u>
PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____			
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____			
TARGET FORMATION <u>MAZON & BIG INJUN</u>		ESTIMATED DEPTH <u>1750' TO 1790'</u> <u>1950' TO 2050'</u>	
WELL OPERATOR <u>STANDARD OIL CO. INC.</u>		DESIGNATED AGENT <u>Andy Zelner</u>	
ADDRESS <u>156 MAIN ST. CAIRO, WV 26337</u>		ADDRESS <u>160 1/2 Layre st Letart, WV 25253</u>	

FORM WV-9

COUNTY NAME
PERMIT

81° 15' 15.1" (81.25420)

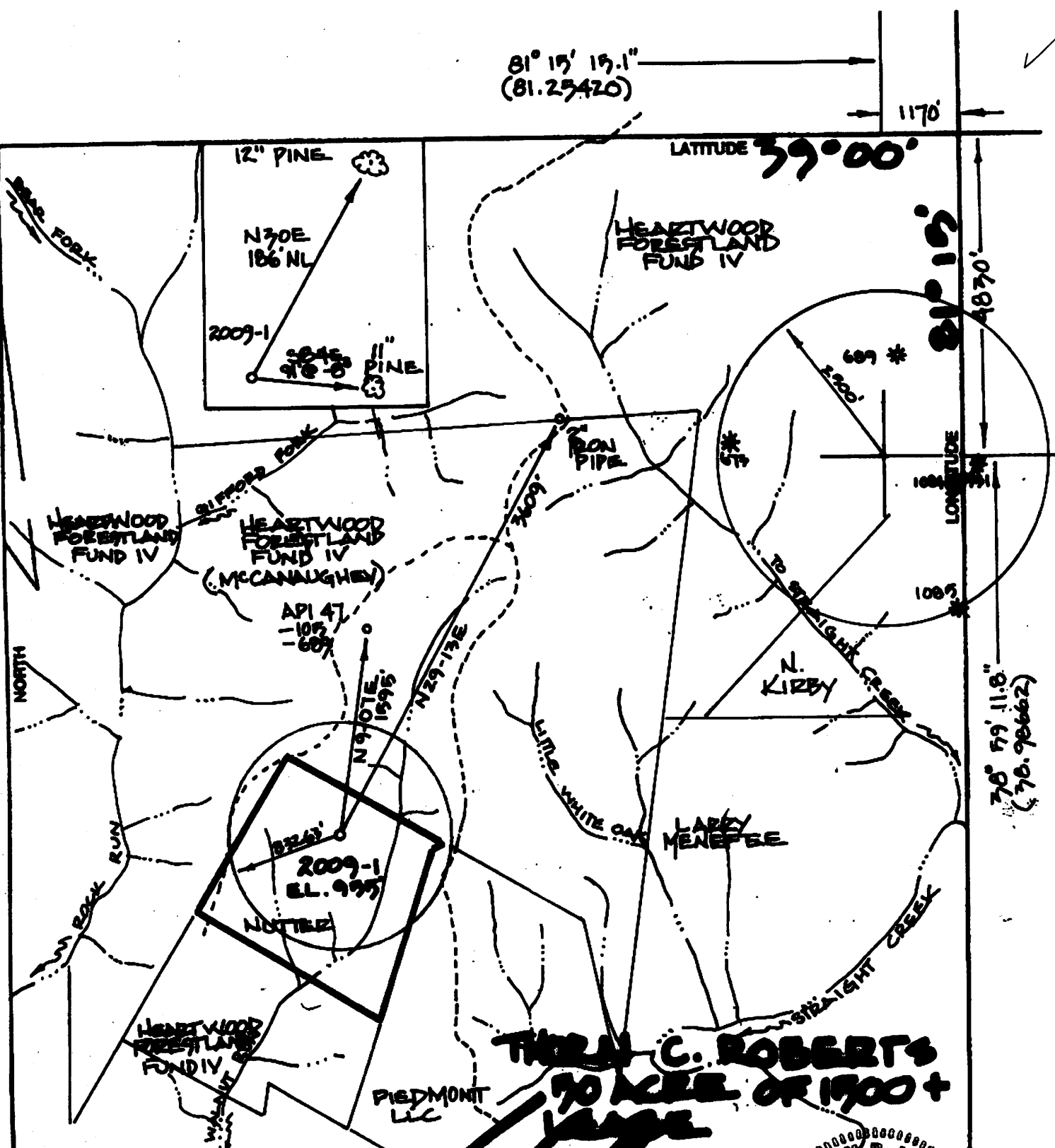
1170'

LATITUDE 39° 00'

81° 15'

4870'

70° 59' 11.8" (70.98662)

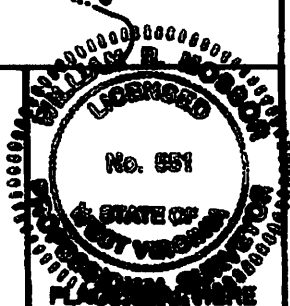


THOMAS C. ROBERTS
70 ACRES OF 1900+
LEASE

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION S.P.S. OBSERVATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS AND PROVIDED BY THE DEPARTMENT OF ENERGY AND NATURAL RESOURCES.

 R.P. P.S.



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS

DATE DECEMBER 2, 2009
 OPERATOR'S WELL NO. 2009-1
 API WELL NO. 47-105-01362

WELL TYPE: OIL & GAS & LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION & STORAGE DEEP _____ SHALLOW & _____

LOCATION: ELEVATION 995' WATER SHED VALLEY RUN & ROCK RUN
 DISTRICT BRIDGE SPRINGS COUNTY WV
 QUADRANGLE _____

SURFACE OWNER HEARTWOOD FORESTLAND FUND (NUTTER) ACREAGE 46
 OIL & GAS ROYALT. THOMAS C. ROBERTS LEASE AC. 70 AC OF 1900+

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 ROCKY MOUNTAIN SAND ESTIMATED DEPTH 3000'
 WELL OPERATOR STANDARD OIL CO. INC. DESIGNATED AGENT JOE O. FERRELL
 ADDRESS 156 BANK ST. CAIRO, WV 26387 ADDRESS 57 ELLIS AVENUE PERMITS, WV 26101

FORM 9-00

COUNTY NAME PERMIT

Annamoriat 6-6

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 05-06-2010

API #: 47-105-01362

Farm name: Heartwood Forestland Nutter Operator Well No.: 1

LOCATION: Elevation: 955' Quadrangle: Burning Springs 3

District: Burning Springs County: Wirt
Latitude: _____ Feet South of ³⁹ Deg. ⁰⁰ Min. _____ Sec.
Longitude _____ Feet West of ⁶¹ Deg. ¹⁵ Min. _____ Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Standard Oil Company Inc 156 cairo wv	11 3/4"	35'	Pulled	N/A
Agent: Joe O'Ferrell	9 5/8 "	210'	210'	SKS
Inspector: Joe Taylor	7 "	1110'	1110'	185 sks
Date Permit Issued: 04-06-2010	4 1/2"	1899'	1899'	set on packer
Date Well Work Commenced: 04-19-2010	<small>4 1/2" set on completion packer</small>			
Date Well Work Completed: 04-24-2010	2 3/8"	1940'	1940'	tubing
Verbal Plugging: N/A	5/8" rods	1910'	1910'	rods
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 2055'				
Total Measured Depth (ft): 2055'				
Fresh Water Depth (ft.): 180				
Salt Water Depth (ft.): 197'				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s) N/A				

RECEIVED
Office of Oil & Gas
JAN 21 2011
WV Department of
Environmental Protection

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Big Injun Pay zone depth (ft) 56'
Gas: Initial open flow 35 MCF/d Oil: Initial open flow 4 Bbl/d
Final open flow 35 MCF/d Final open flow 5 Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 510 psig (surface pressure) after 72 Hours

Second producing formation N/A Pay zone depth (ft)
Gas: Initial open flow 30 MCF/d Oil: Initial open flow 1 Bbl/d
Final open flow 30 MCF/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 510 psig (surface pressure) after 72 Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.


Signature

1-7-2011
Date

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes _____ No

Were Electrical, Mechanical, or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Well came in Natural in the Maxon Sand and the Big Injun Sand

Formations Encountered: MAXON SAND Top Depth 1531' 1547' Bottom Depth
Surface: Big INJUN SAND 2055' 2110'

0-20' Soil	1204-1218' Shale
20-150' Sand	1218-1305' Shale
150- 200' Red Rock	1305-1531' Oil Show Maxon
200- 266' Shale	1531-1547' Maxon Sand
266-294' Sand	1547-1922' Shale
294-310' Shale	1922- 1986' Line
301-425' Sand	1986-2055' Shale
425-451' Red Rock	2055-2110 Gas and Oil Show
451-600' Shale	2110-2250' Big Injun
600-610' Sand	2250' Total Depth
610-640' Shale	
640-820' Sand	
820-900' Shale	
1120-1180' Slate	
1180-1204' Slate	