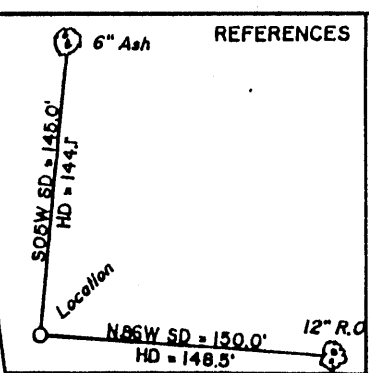


3475

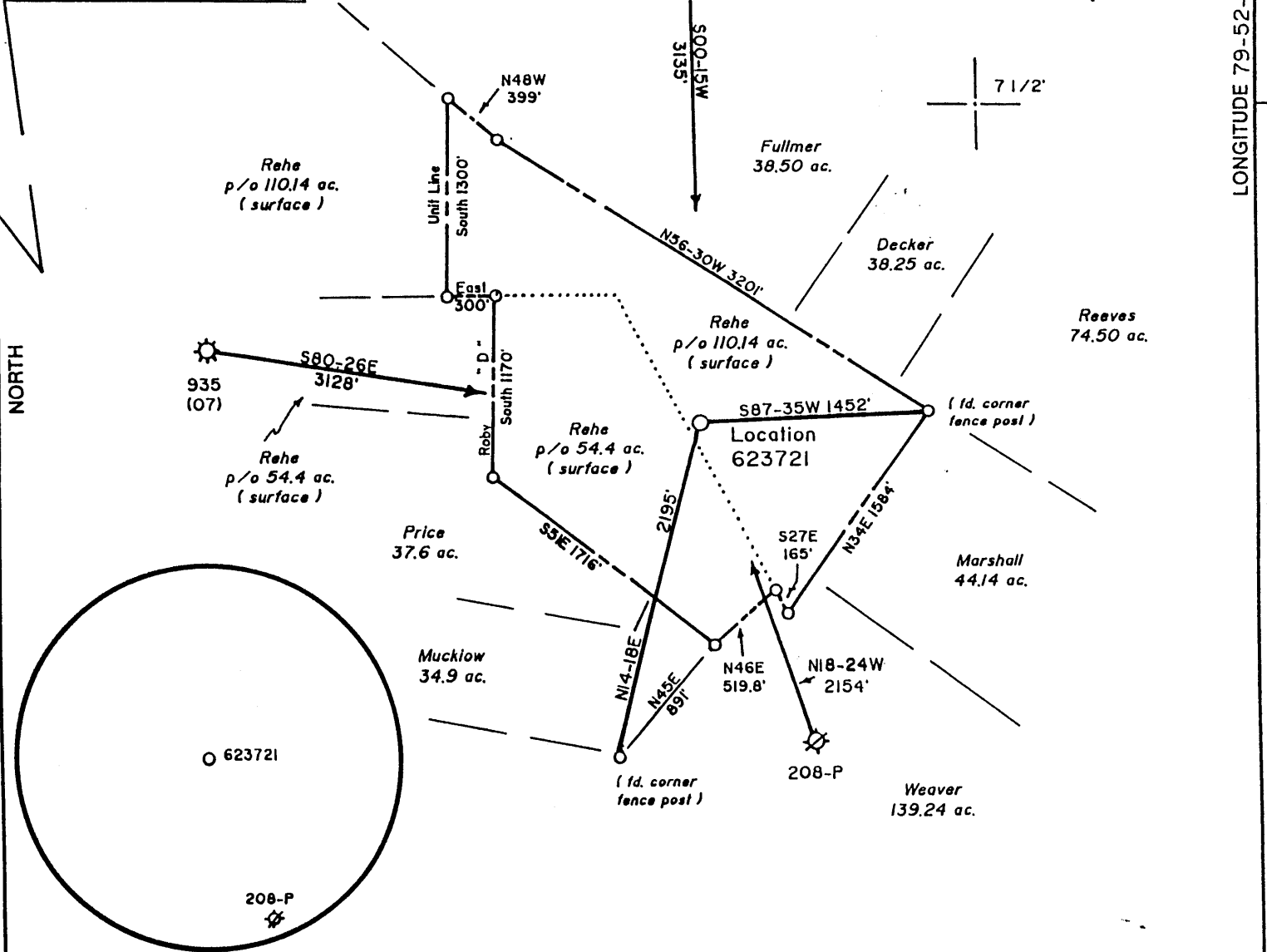
LATITUDE 39-30-00 N

LONGITUDE 79-52-30 W

96  
66



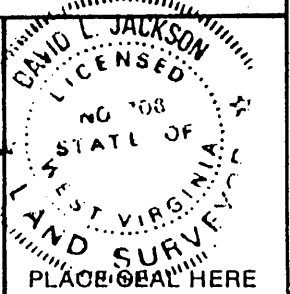
NOTE:  
Location is at least 400'  
from all outside lease lines.  
  
All wells within 3000' are  
shown on this plat.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
DRAWING NO. 1  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION Road Intersection 4100 SW of Location; elev. 1788'

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.  
(SIGNED) David L Jackson  
R.P.E. \_\_\_\_\_ L.L.S. 708



STATE OF WEST VIRGINIA  
Division of Environmental Protection  
OFFICE OF OIL AND GAS

DATE March 16, 19 99  
OPERATOR'S WELL NO. 623721  
API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 1818 WATERSHED Boyd Run  
DISTRICT Lyon COUNTY Preston  
QUADRANGLE Gladesville 7 1/2'

SURFACE OWNER Harold J. and Donna J. Rehe ACREAGE 110.14  
OIL & GAS ROYALTY OWNER Sonja M. Lackey et al. LEASE ACREAGE 111  
LEASE NO. 7004186 - 7004075

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6 313

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION Huntersville Chert / Oriskany ESTIMATED DEPTH 8000

WELL OPERATOR Columbia Natural Resources, Inc. DESIGNATED AGENT W. A. Watson Jr.  
ADDRESS P. O. Box 6070, Charleston, WV 25362 ADDRESS P. O. Box 6070, Charleston, WV 25362

DEEP WELL

FORM WW-6

COUNTY NAME PERMIT

JAN 28 2000

DEEP

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

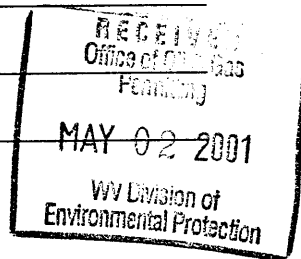
Reviewed AB

Well Operator's Report of Well Work

Farm name: REHE, HAROLD & DONNA Operator Well No.: 623721

LOCATION: Elevation: 1818.00 Quadrangle: GLADESVILLE

District: LYON County: Preston  
Latitude: 5050 Feet South of 39 Deg. 30 Min. 00 Sec.  
Longitude 3475 Feet West of 79 Deg. 52 Min. 30 Sec.



Company: COLUMBIA NATURAL RESOURCES

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: Rt. 1, Box 107-10	11-3/4	316	316	CTS
Buckhannon, WV 26201	8-5/8	2899	2899	CTS
Agent: R. Mark Hackett	4-1/2	7720	7720	185 SXS
Inspector: Randal Mick				
Date Permit Issued: 01/25/00				
Date Well Work Commenced: 02/10/00				
Date Well Work Completed: 05/08/00				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): 7774				
Fresh Water depths (ft): 120				
Salt water depths (ft): None				
Is coal being mined in area (Y/N)? N				
Coal Depths (ft): 90-94				

OPEN FLOW DATA

Producing formation Chert Pay zone depth (ft) 7370-7511  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow n/a Bbl/d  
Final open flow 3200 MCF/d Final open flow n/a Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 3250 psig (surface pressure) after 72 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ 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.

Signed: COLUMBIA NATURAL RESOURCES, INC.

By: R. Mark Hackett

Date: 4/30/01

MAY 4 2001

PRE 0321

**FORMATION RECORD:**

0 to 559 from Driller's Log Book, 559 to TD from Gamma Ray Log

		<b>ROCK TYPE</b>
<b>FROM</b>	<b>TO</b>	(described rock types and other minerals penetrated and record occurrences of oil, gas and water from surface to total depth)
0	45	Sd. & Sh.
45	60	Sand
60	90	Sd. & Sh.
90	94	Coal
94	559	Sd. & Sh.
559	598	Little Lime
598	802	Greenbrier Limestone
802	1723	Sd. & Sh.
1723	1752	4th Sand
1752	1938	5th Sand
1938	2460	Sd. & Sh.
2460	2490	Speechley
2490	2672	Sd. & Sh.
2672	2674	Balltown
2674	6956	Sd. & Sh.
6956	7040	Tully
7040	7245	Hamilton
7245	7339	Marcellus
7339	7366	Onondaga
7366	7424	Chert
7424	7424	Fault
7424	7432	2nd Onondaga
7432	7565	2nd Chert
7565	7615	Needmore
7615		Oriskany
	7774	DTD
	7764	LTD

**WATER:**

Depth (ft)	Amount	Type
120	Damp	fresh

**GAS CHECKS:**

Depth(ft)	MCF/D
All	NS

**OIL SHOWS:**

Depth	Amount
None	

**PERFORATIONS:**  
Chert (28 holes) 7370'-7511' KB.

**STIMULATION:**  
Chert - 15,000 lbs. 80/100 sd. & 60,000 lbs. 20/40 sd. w/30 # gel & a 5% HCL acid solution throughtout the job.