Non-Standard for Gas Well

OCD

N. M. OIL CONS. DIVISION

ARTESIA, NM

Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. LC-029392-B

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No. 26064

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

8. Lease Name and Well No. #14 Greenwood Pre-Grayburg Un

2. Name of Operator
Ricks Exploration, Inc. 168489

9. API Well No. 30-015-31615

3a. Address 210 Park Avenue
Oklahoma City, OK 73102

3b. Phone No. (include area code) 405-516-1100

10. Field and Pool, or Exploratory Shugart-Silurian-Devonian

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface 600' FEL & 2025' FSL
At proposed prod. zone Unit I

11. Sec., T., R., M., or Blk. and Survey or Area Sec. 27-18S-31E

14. Distance in miles and direction from nearest town or post office*
16 miles southeast of Loco Hills

12. County or Parish Eddy

13. State NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in lease	17. Spacing Unit dedicated to this well
600'	1880	40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	**19. Proposed Depth**	**20. BLM/BIA Bond No. on file**
1365'	12,700'	NM 589804
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	**22. Approximate date work will start***	**23. Estimated duration**
GL 3,639'	March 1, 2001	30 days

24. Attachments

Controlled Water Basin

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed)	Date
	Gregory S. Robins	1/11/01

Title: Exploration Manager

Approved by (Signature)	Name (Printed/Typed)	Date
/S/ Joe G. Lara	Joe G. Lara	FEB 16 2001
Title: Acting FIELD MANAGER	Office: CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

RECEIVED
OCD - ARTESIA

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Departme

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name

Property Code	Property Name	Well Number
	GREENWOOD PRE-GRAYBURG UNIT	14

OGRID No.	Operator Name	Elevation
	RICKS EXPLORATION	3639

Surface Location

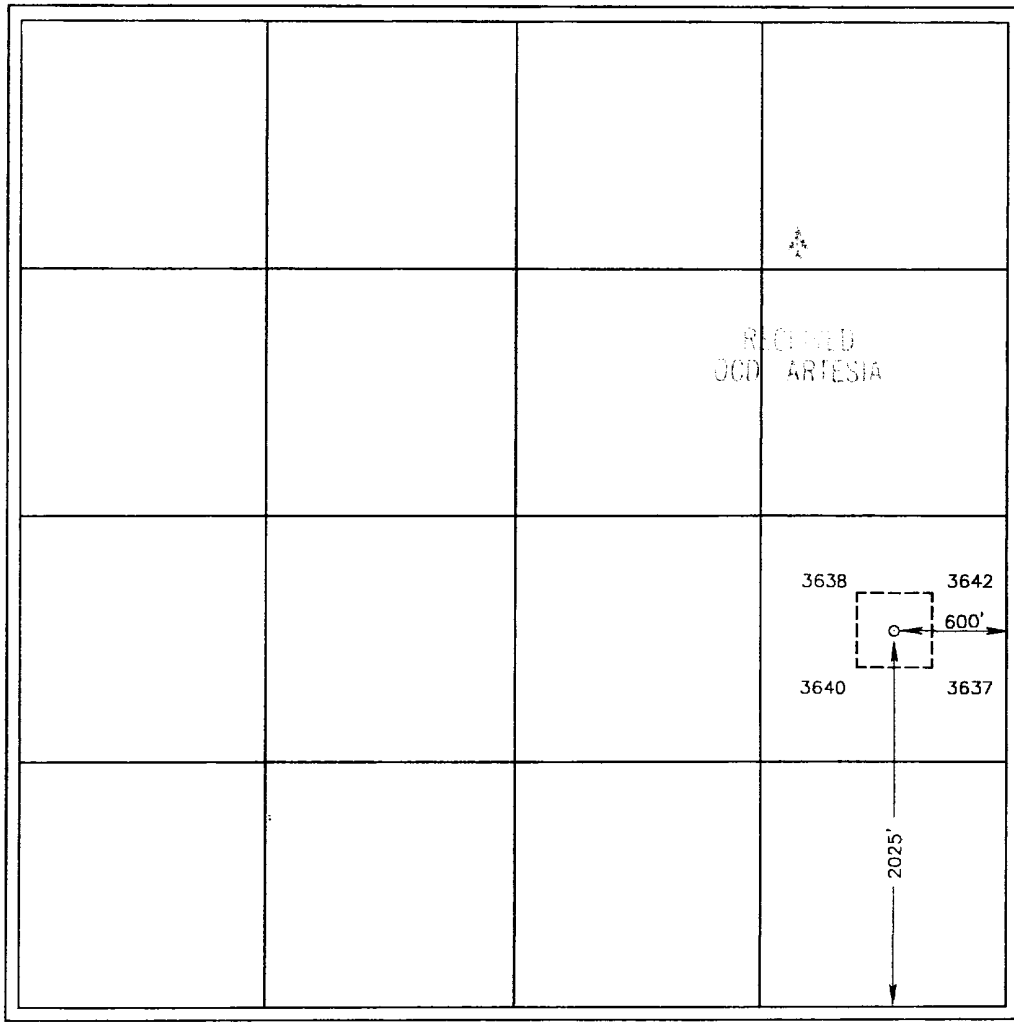
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	27	18S	31E		2025	SOUTH	600	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Lynne Suchy
Signature
Lynne Suchy
Printed Name
Drilling Assistant
Title
1/11/01
Date

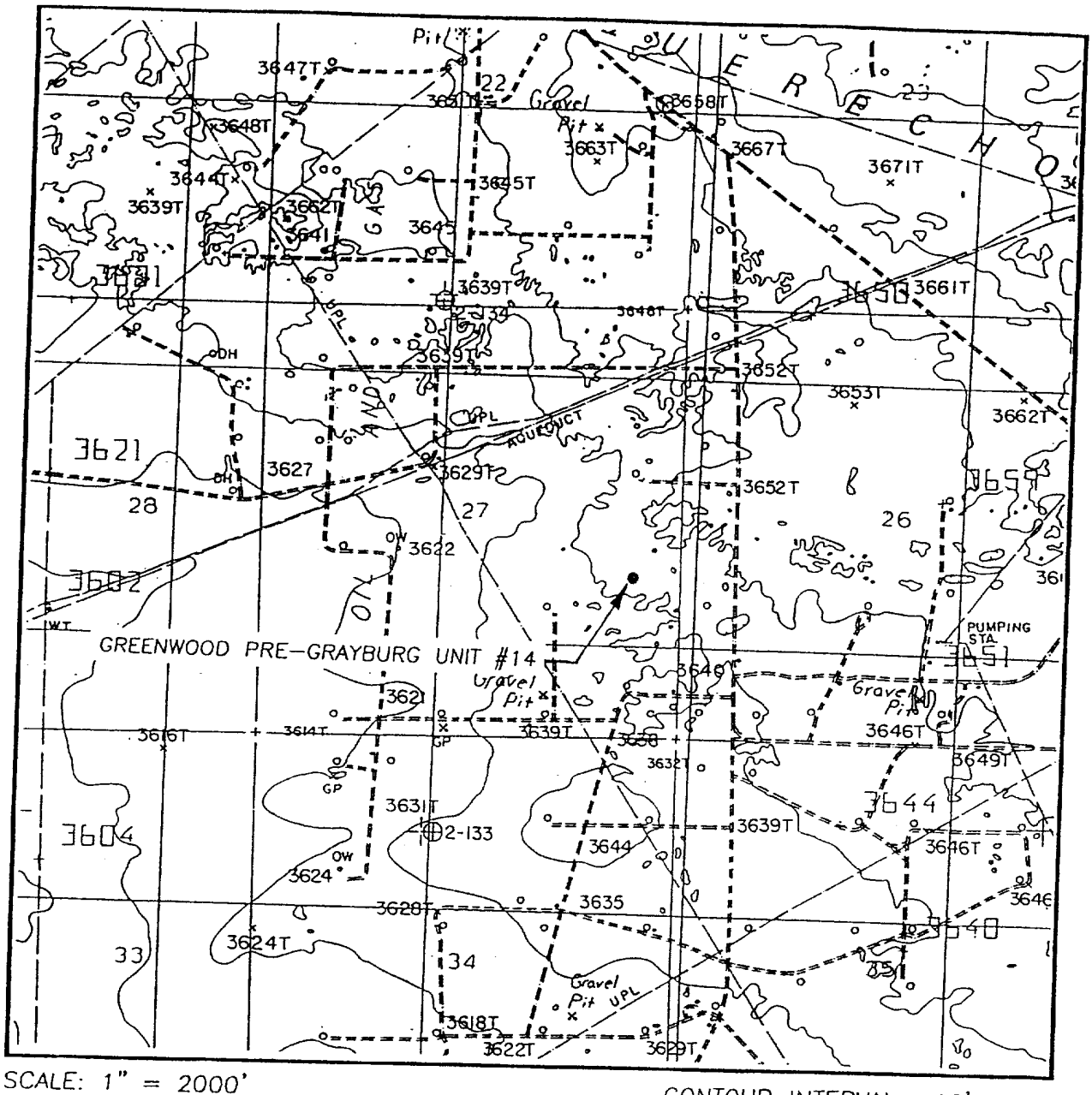
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

DECEMBER 4, 2000
Date Surveyed AWB
Signature & Seal of Professional Surveyor

Gary B. Eidson 12/18/00
00-11-1555
Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641

LOCATION VERFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'
GREENWOOD LAKE , N.M.

SEC. 27 TWP. 18-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 2025'FSL & 600'FEL

ELEVATION 3639

OPERATOR RICKS EXPLORATION

LEASE GREENWOOD PRE-GRAYBURG UNIT

U.S.G.S. TOPOGRAPHIC MAP
GREENWOOD LAKE, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

DRILLING PROGRAM

Attached to Form 3160-3 Application for Permit to Drill
Ricks Exploration Inc.
Greenwood Pre-Grayburg #14
600' FEL & 2025 FSL
Section 27,T18S-R31E
Eddy County, N.M.

1. Geologic Name of Surface Formation

   Quaternary

2. Estimated Tops of Important Geologic Markers:

Formation	Depth	Formation	Depth
Quaternary	Surface	3rd Bone Springs SS	9145
Rustler Anhydrite	675	Wolfcamp	9612
Base of Salt	2020	Strawn	10300
Yates	2250	Atoka	10500
Delaware	4775	Morrow	10900
1st Bone Springs Lime	6320	Miss Barnett	11480
1st Bone Springs SS	7745	Miss Lime	11750
2nd Bone Springs Lime	8020	Woodford	12225
2nd Bone Springs SS	8255	Devonian	12310
3rd Bone Springs Lime	8900		

3. Estimated Depths of Anticipated Fresh Water, Oil, or Gas

Formation	Depth	Type
Permian Sands	100	Fresh Water
Yates	2250	Oil
Delaware	4775	Oil
1st Bone Spring Lime	6320	Oil
1st Bone Spring SS	7745	Oil
2nd Bone Spring Lime	8020	Oil
2nd Bone Spring SS	8255	Oil
3rd Bone Spring Lime	8900	Oil
3rd Bone Spring SS	9145	Oil
Wolfcamp	9612	Oil
Strawn	10300	Gas
Atoka	10500	Gas
Morrow	10900	Gas
Devonian	12310	Gas

No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 13-3/8" casing at 650' and circulating cement back to surface. Potash will be protected by setting 9-5/8" casing at 4,000' and circulating cement back to surface. Any shallower zones above TD which contain commercial quantities of oil and/or gas will have cement circulated across them by inserting a cementing stage tool into the 5-1/2" production casing which will be run at TD.

4. Casing Program:

Hole Size	Interval	OD Casing	Wt, Grade, Jt., Cond., Type
25"	0-40'	20"	94# conductor, 0.438 wall thickness
17.5"	0-600'	13-3/8"	54.5#, K-55, ST&C, new, R-3
11"	0-4000'	9-5/8"	36#, K-55, LT&C, New, R-3
7.875"	0-12700'	5-1/2"	17#, N-80, LT&C, New, R-3

WITNESS

Cement Program

20" conductor casing	Cemented with ready mix surface.
13-3/8" surface casing	Cemented to surface with 478 sacks of Class C + 2% CaCl2 + ¼ # sack Cello Flake
9-5/8" intermediate casing	Cemented with 250 sacks (50:50) Poz, Class C Cement and 150 sacks Class A Cement, ¼# Cello Flake, 1% CaCl2 each slurry
5-1/2" production casing	Cemented with 545 sacks (15:61:11) Poz (Fly Ash): Class C Cement: CSE + 1% bwoc FL-52 + 0.3% bwoc CD-32 + 0.25 # sack Cello Flake. This cement slurry is designed to bring TOC to approximately 8,000'. Shallower productive zones will be cemented by placing a cementing stage tool below the zone of interest if necessary and cementing with a similar type of cement.

WITNESS

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram type (5000 psi WP) preventer and a bag type (hydril) preventer (5000 psi WP). Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. Both BOP's will be nippled up on the 13-3/8" surface casing and used continously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface casing. Before drilling out of intermediate casing, the ram type BOP and accessory equipment will be tested to 5000 psi and the hydril to 70% of rated working pressure.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" killline and 3" choke line will be included in the drilling spool located below the ram type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 5000 psi WP rating.

6. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with a combination of brine and cut brine. The applicable depths and properties of this system are as follows:

Depth	Type	Weight (ppg)	Viscosity (sec)	Waterloss (cc)
0-~~600~~'	Fresh Water (spud)	8.5	40-45	N.C.
~~600~~-4000'	Brine Water	10.0	32	N.C.
4000'-TD	Cut Brine	8.8-9.2	28	N.C.

Sufficient mud material to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. Auxiliary Well Control and Monitoring Equipment:

(A) A kelly cock will be kept in the drill string at all times.
(B) A full opening drill pipe stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
(C) An electronic pit volume totalizer system will be used continuously below 8,000' to monitor the mud and pump system. The drilling fluids system will also be visually monitored at all times.
(D) A mud logging unit complete with gas detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 6000' to TD.

8. Logging, Testing and Coring Program

(A) Drllstem tests will be run on the basis of drilling shows.
(B) The electric logging program will consist of GR-Dual Laterlog-MSFL and GR-Sonic from TD to intermediate casing and GR-Compensated Neutron-Density from TD to surface. Selected SW cores will be taken in zones of interest.
(C) No conventional coring is anticipated.
(D) Further testing procedures will be determined after the 5-1/2" production casing has been cemented at TD based on drill shows, log evaluation and drill stem tests results.

9. Abnormal Conditions, Pressures, Temperatures & Potential Hazards:

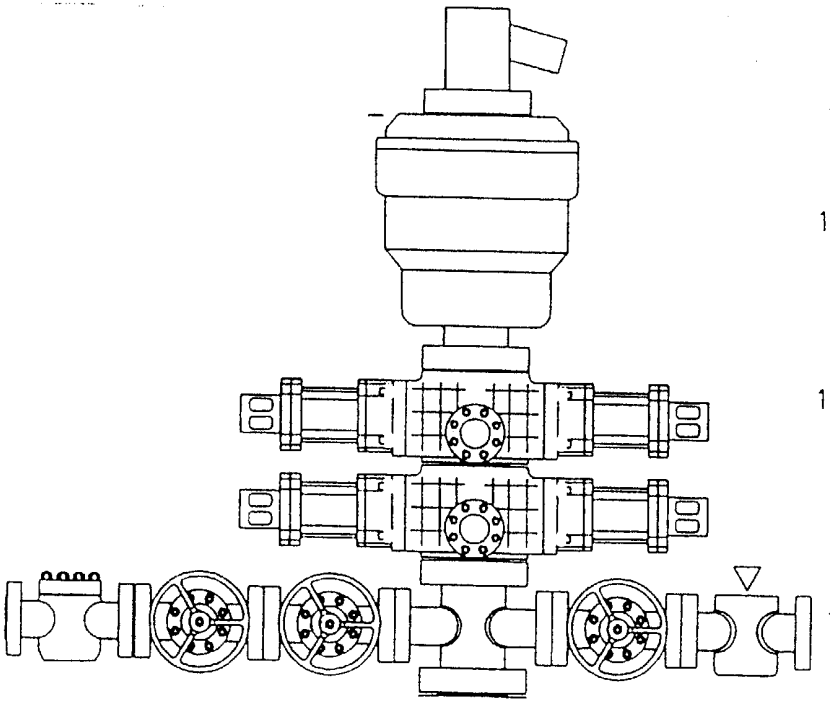
No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature (BHT) at TD is 160 degrees Fahrenheit and estimated maximum bottom hole pressure (BHP) is 5325 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in the area. To the best of our knowledge no major lost circulation zones have been reported in the offsetting wells.

10. Anticipated Starting Date and Duration of Operations:

Road and location work will not begin until approval has been received from the BLM. The anticipated spud date is February 25, 2000. Once commenced, the drilling operation should be finished in approximately 40 days. If the well is productive, an additional 30 days will be required for completion and testing before a decision is made to install permanent facilities.

EXHIBI. #1
Greenwood Pre-Grayburg Unit #14
Eddy County, NM

11" 5000# DRILLING STACK



11" 5000# FLOW NIPPLE

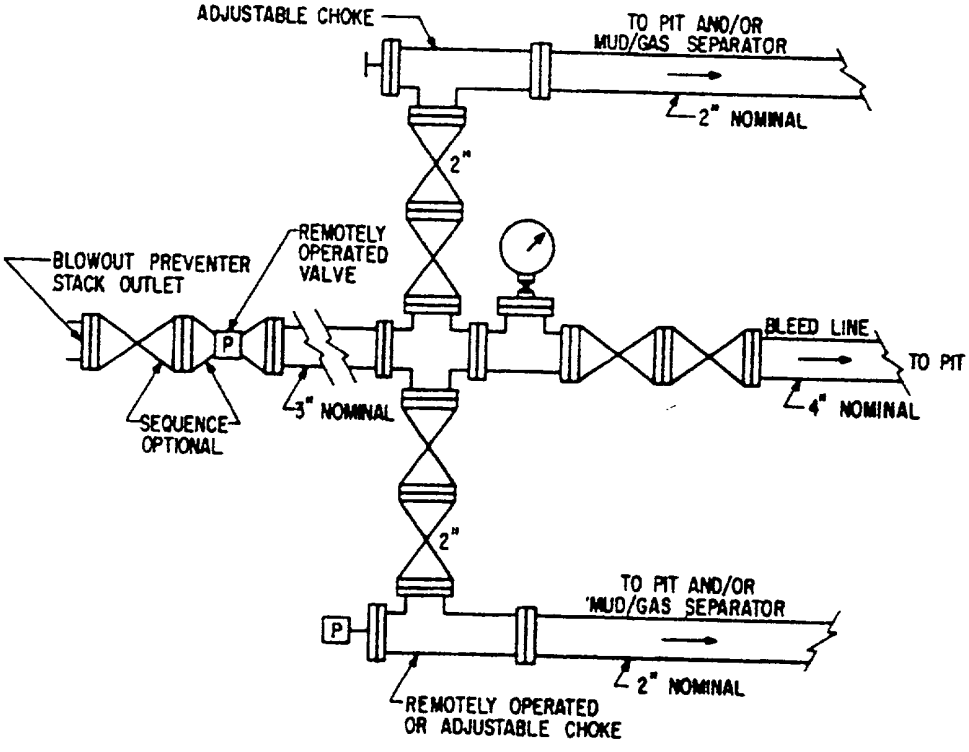
11" 5000# HYDRIL ANNULAR (48")

11" 5000# SHAFFER DOUBLE (33")

11" 5000# DRILLING SPOOL (24")

Exhibit #1A
Greenwood Pre-Grayburg Unit #14
Eddy County, NM

Manifold Diagram



Attachment to Exhibit #1

NOTES REGARDING BLOWOUT PREVENTERS

Greenwood Pre-Grayburg Unit #14
Eddy County, NM

1. Drilling nipple to be so constructed that it can be removed without use of a weller through rotary table opening, with minimum I.D. equal to preventer bore.

2. Wear ring to be properly installed in head.

3. Blow out preventer and all fittings must be in good condition, 5000 psi W.P. minimum

4. All fitting to be flanged.

5. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 5000 psi W.P. minimum.

6. All choke and fill lines to be securely anchored, especially ends of choke lines.

7. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.

8. Kelly cock on kelly.

9. Extension wrenches and hand wheels properly installed.

10. Blow out preventer control to be located as close to driller's position as feasible.

11. Blow out preventer closing equipment to include minimum 40 gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

SURFACE USE AND OPERATING PLAN

Attached to Form 3160-3 Application for Permit to Drill
Ricks Exploration, Inc.
Greenwood Pre-Grayburg #14
600' FEL & 2025' FSL
Sec. 27-T18S-R31E
Eddy County, NM

1. Existing Roads

   Please find attached maps depicting the following:

   A. Access Road to location (Exhibit A)
   B. Location of proposed wellsite in relation to Loco Hills, NM. (Exhibit B)

2. Planned Access Roads

   A. Width of Road: 12'
   B. Length of Road: 1250' (approximate)
   C. The average grade will be less than 1%.
   D. No turnouts are planned.
   E. Surfacing material will consist of native caliche. Caliche will be obtained from the nearest BLM approved caliche pit. Any additional materials that are required will be purchased from the dirt contractor.

3. Location of Existing Wells

   Exhibit C shows all existing wells within a one-mile radius of this well. A list of these wells is shown on the attachment to Exhibit C.

4. Proposed Facilities

   A. If the well is productive, contemplated facilities will be as follows:

      1. Two 400 BBL stock tanks, One 250 BBL water tank, a production unit and heater will be located on the caliche drilling pad and within the 192' x 285' area of the pad.
      2. The tank battery and facilities including all flowlines and piping will be installed according to API specifications.
      3. Any additional caliche which is required for firewalls, etc. will be obtained from a approved caliche pit. Any additional construction materials will be purchased from contractors.
      4. No power will be required if the well is productive of gas. However, if productive of oil, it my be necessary to run electric power down the access road to the well.

   B. If the well is productive, rehabilitation plans are as follows:

      1. The reserve pit will be back filled after the contents of the pit are dry (within 120 days after the well is completed.
      2. Caliche from unused portions of the drill pad will be removed. Topsoil removed from the drill site will be used to recontour the pit area and any unused portions of the drill pad to the original natural level, as nearly as possible, and reseeded as per BLM specifications.

C. In the event that gas production is established, plans for permanent gas lines will be submitted to the appropriate agencies for ROW approval.

5. Location and Type of Water Supply

The well will be drilled with a combination brine and fresh water mud system as outlined in the drilling program. The water will be obtained from commercial water stations in the area and hauled to the locations by transport truck over the existing and proposed access roads shown in Exhibit A. If a commercial fresh water source is nearby, fastline may be laid along existing road ROW" and fresh water pumped to the well. No water well will be drilled on the location.

6. Source of Construction Materials

It is planned to use material-in-place for construction. No caliche will be taken from Public land without prior approval.

7. Methods of Handling Waste Disposal

A. Drill cuttings will be disposed of in the drilling pits.
B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
C. Water produced during test will be disposed of in the drilling pits. Oil produced during test will be strore in test tanks until sold.
D. Current laws and regulations pertaining to the diposal of human waste will be complied with.
E. Trash, waste paper, garbage, and junk will be stored in a fence covered trash trailer. All waste material will be contained to prevent scattering by the wind. The trash trailer and its contents will be transported to a public landfill and disposed of properly.
F.

8. Ancillary Facilities

A. None necessary

9. Well Site Layout

A. Dimensions and relative location of the drill pad, pit and equipment are shown on Exhibit D.
B. Top soil for rehabilitation will be stock piled on the side of the location.

10. Plans for Restoration of the Surface

A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
B. Any unguarded pits containing fluids will be fenced until they are filled.

C. If the well is non-productive, the disturbed area will be rehabilitated to Federal Agency requirements and will be accomplished as expeditiously as possible.

11. Other Information

A. Topography: The drillsite has a slight slope to the southwest and the access road will be essentially level.
B. Soil: The soil at the wellsite is sandy.
C. Flora and Fauna: Small dwarf oaks and sand. Fauna probably includes reptiles, rodents and birds.
D. Ponds or Streams: There are no ponds near the wellsite.
E. Residences and Other Structures: There are no occupied dwellings within 2 miles.
F. Archaeological, Historical and other Cultural Sites:
Archaeology Survey Consultants, of Roswell, N.M., has been contracted to make a survey of the proposed access road and wellsite.

12. Operator's Representative

Representative responsible for assuring compliance with the approved Surface Use and Operating Plan:

Mr. Nick Newland
Ricks Exploration, Inc.
P.O. Box 831
Midland, Texas 79702
Phone: 915-277-1927

13. Certification

I hereby certify that I, or person under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; that the work associated with the operations proposed herein will be performed by Ricks Exploration, Inc. and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: 01-19-01

Jeff Nelson, Vice President, Operations
Ricks Exploration, Inc.

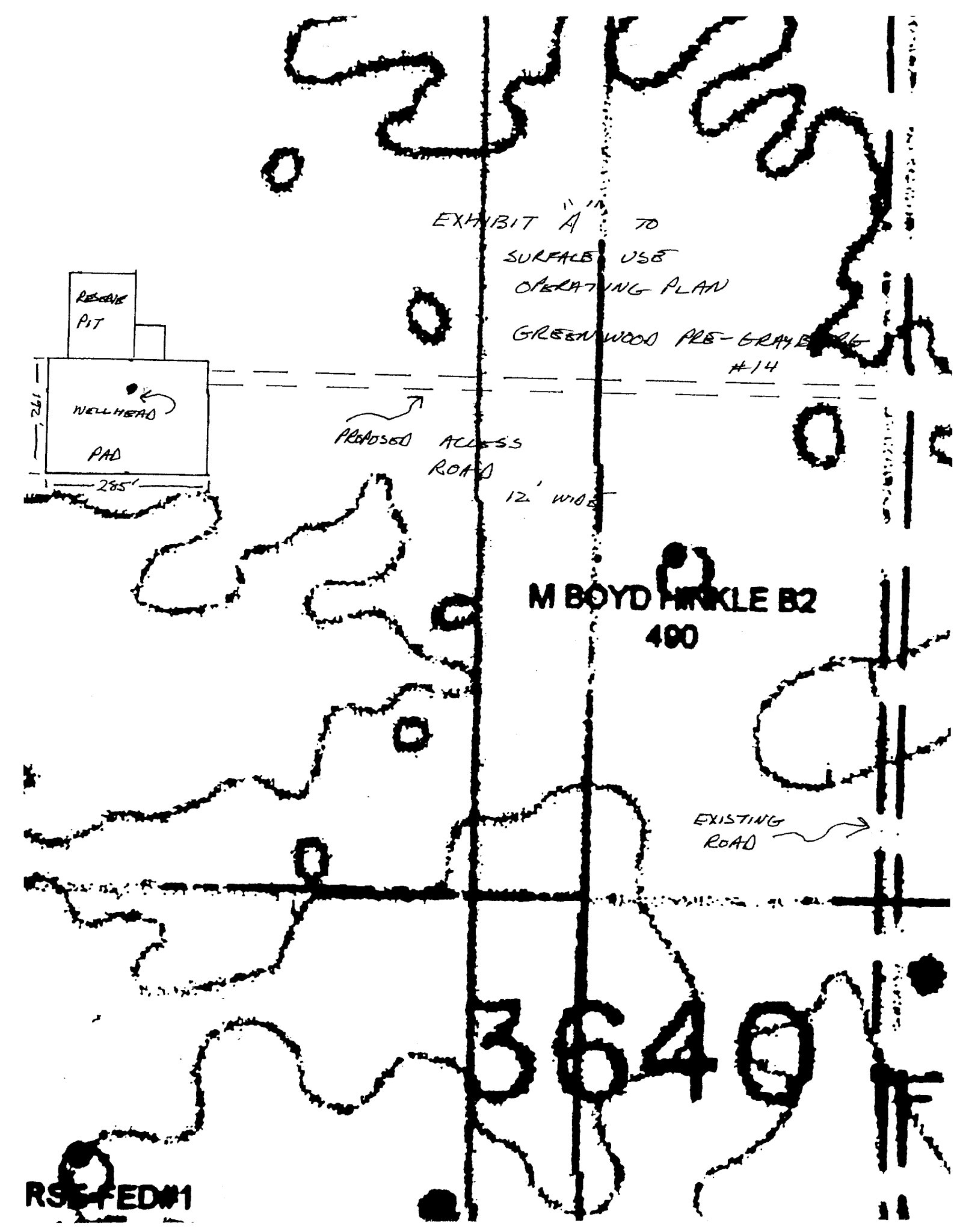
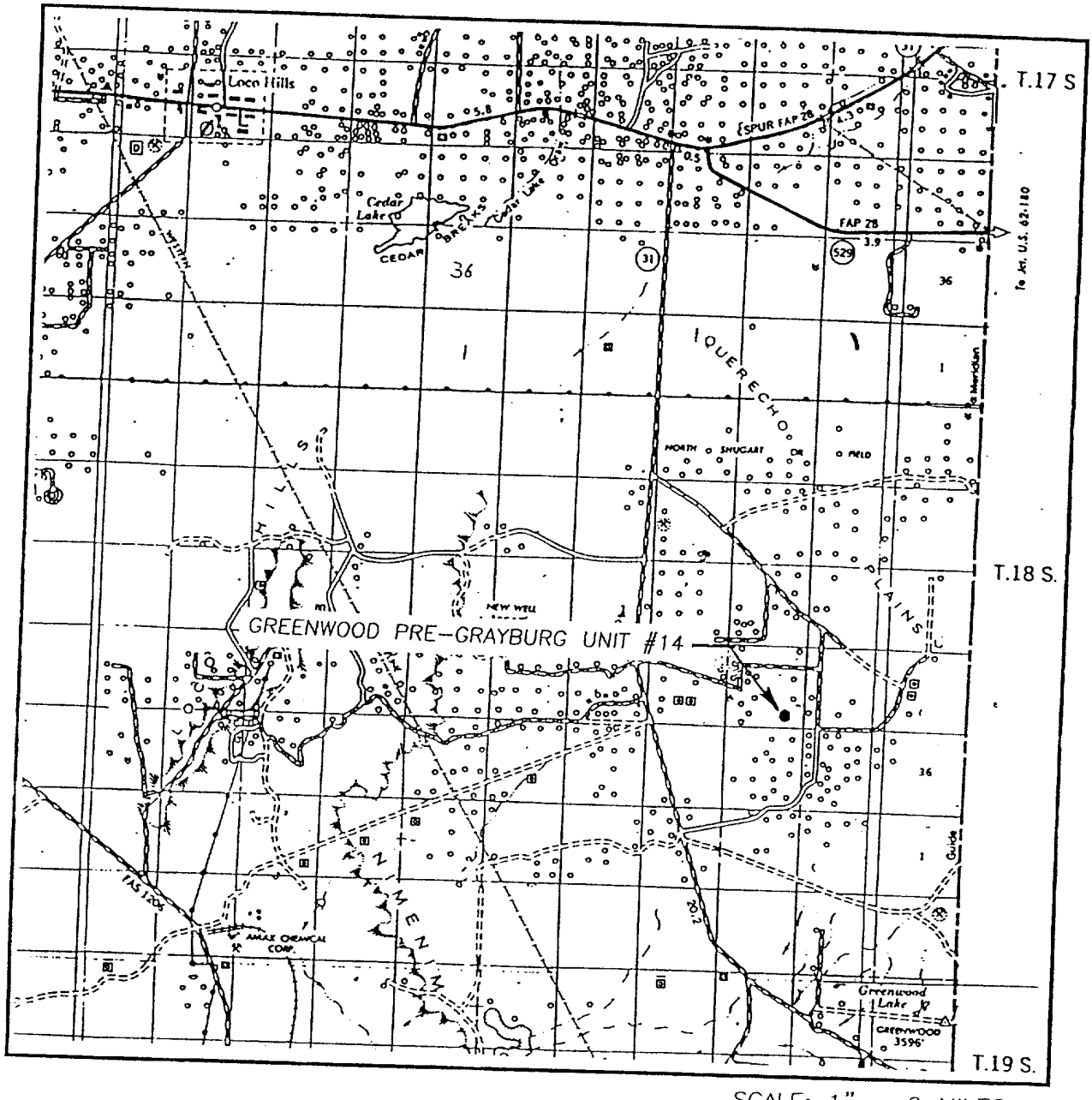


EXHIBIT "A" TO
SURFACE USE
OPERATING PLAN
GREENWOOD ARE-GRAYBURG
#14
RESERVE
PIT
WELLHEAD
PAD
285'
PROPOSED ACCESS
ROAD
12' WIDE
M BOYD HINKLE B2
400
EXISTING
ROAD
3649
RS FED#1

EXHIBIT "B" TO SURFACE USE OPERATING PLAN

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 27 TWP. 18-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY

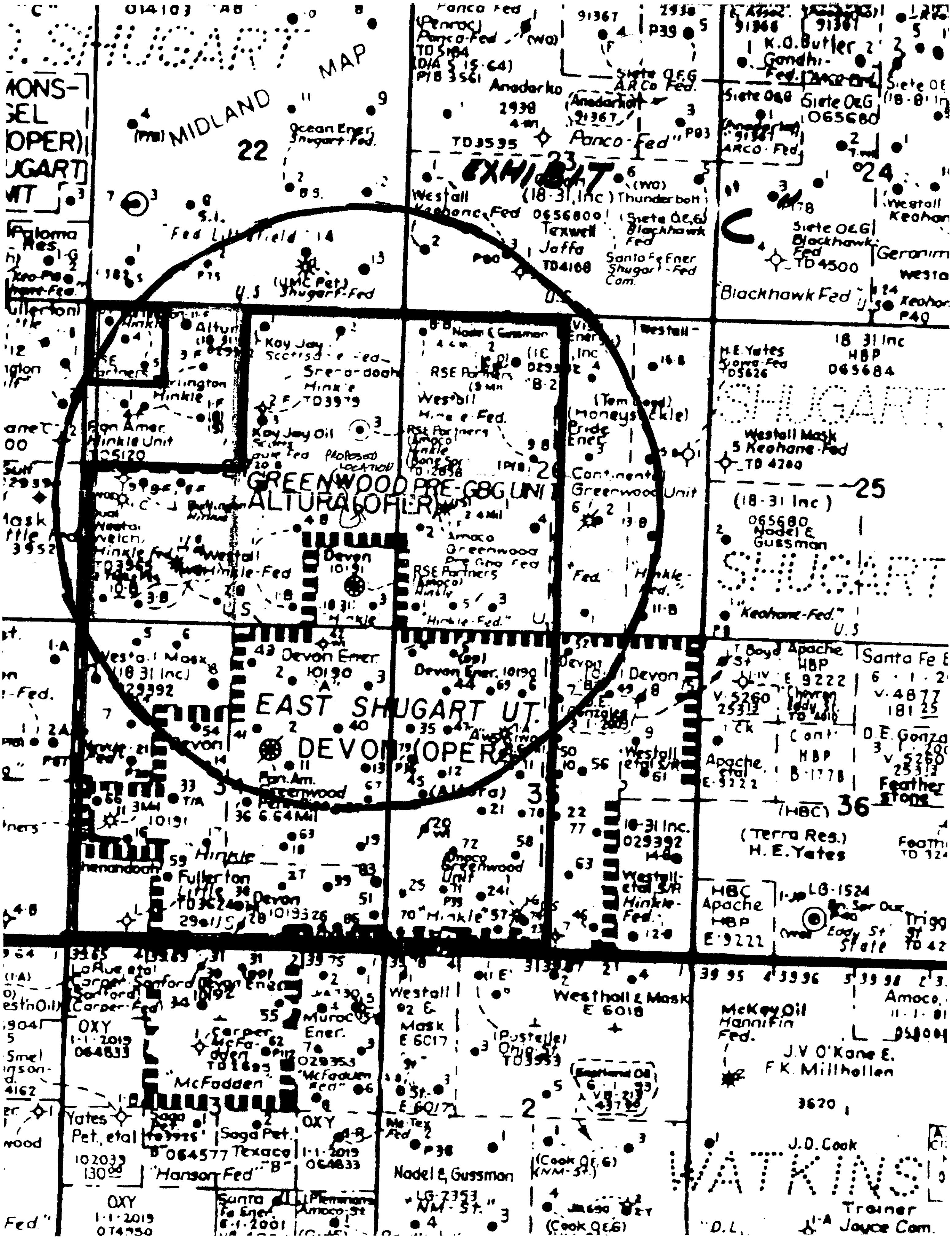
DESCRIPTION 2025'FSL & 600'FEL

ELEVATION 3639

OPERATOR RICKS EXPLORATION

LEASE GREENWOOD PRE-GRAYBURG UNIT

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



SHUGART
MIDLAND MAP
22
23
24
25
36
EXHIBIT
C
Ocean Ener. Shugart Fed.
Anadarko
Panco Fed
Siete O&G
K.O. Butler
Westall Keohane Fed
Texwell Jaffa
Santa Fe Ener. Shugart Fed Com.
Blackhawk Fed
18-31 Inc
H.E. Yates
Kay Jay Oil
Shenandoah Hinkle
RSE Partners
Westall Hinkle Fed
Pan Amer. Hinkle Unit
Continental Greenwood Unit
Westall Mask Keohane Fed
GREENWOOD PRE-GBG UNIT
ALTURA (OPER)
Devon
Nadel & Gussman
Keohane Fed.
Devon Ener.
EAST SHUGART UT.
DEVON (OPER)
Amoco Greenwood Unit
Fullerton
Hinkle
Apache
(Terra Res.) H. E. Yates
Westall & Mask
Westhall & Mask
McKay Oil Hannifin Fed.
J.V. O'Kane & F.K. Millhollen
McFadden
OXY
Yates Pet. etal
Saga Pet.
Texaco
Hanson Fed
Nadel & Gussman
J.D. Cook
WATKINS
Trainer
Joyce Com.

Attachment To Exhibit C
Surface Use And Operating Plan
STATUS OF WELLS WITHIN 1 MILE RADIUS
Greenwood #14
Section 27-T18S-R31E
Eddy County, New Mexico
October 1, 2000

Section/TR	API/IC	Current Operator	Well #	Lease Name	Footage	Status	FM	Type
Sec. 21-T18S-R31E								
	30015055950000	SWR Operating	1	KEOHANE ETAL-ERAL C	660 FSL 660 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
	30015200900000	Gulf	3	KEOHANE ETAL-ERAL C	1650 FSL 330 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
	30015269860000	Prairie Sun	2	KEOHANE "C" FEDERAL	330 FSL 330 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
Sec. 22-T18S-T31E								
	30015056010000	Ocean Energy	1	LITTLEFIELD-FRAL AB	660 FSL 660 FWL	Active	Delaware	Oil Well
	30015056020000	Ocean Energy	2	LITTLEFIELD-FRAL AB	660 FSL 1980 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
	30015107710000	Ocean Energy	3	LITTLEFIELD-FRAL AB	1650 FSL 760 FWL	Active	Delaware	Oil Well
	30015200010000	Ocean Energy	5	LITTLEFIELD-FRAL AB	330 FSL 710 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
	30015200210000	Ocean Energy	6	LITTLEFIELD-FRAL AB	1650 FSL 1650 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
	30015200530000	Ocean Energy	7	LITTLEFIELD-FRAL AB	1650 FSL 610 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
	30015203030000	Ocean Energy	12	LITTLEFIELD-FRAL AB	1980 FSL 660 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
	30015203620000	Ocean Energy	13	LITTLEFIELD-FRAL AB	660 FSL 660 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
	30015204340000	Ocean Energy	14	LITTLEFIELD-FRAL AB	990 FSL 1650 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
	30015296100000	Ocean Energy	1	SHUGART `22` FEDERAL	660 FSL 1650 FEL	Active	Morrow	Gas Well
	30015299070000	Ocean Energy	2	SHUGART `22` FEDERAL	1980 FSL 1980 FEL	Active	Bone Spring	Oil Well
Sec. 23-T18S-R31E								
	30015056030000	Texwell O&G	1	BS JAFFA	660 FSL 1980 FWL			Dry Hole
	30015205940000	Westall Ray	2	KEOHANE - FEDERAL	990 FSL 330 FWL	Active	YTS-SR-QN-GRBRG	Oil Well

30015216120000	Westall Ray	3	KEOHANE FEDERAL	990 FSL 1750 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015304480000	Santa Fe Energy	1	SHUGART `23` FEDERAL COM	1650 FSL 1980 FEL	Active	Wolfcamp	Oil Well
30015304480001	Santa Fe Energy	1	SHUGART `23` FEDERAL COM	1650 FSL 1980 FEL	Active	Bone Spring	Oil Well

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30015056070000	Continental	6	GREENWOOD UNIT	1880 FSL 1980 FEL	Inactive	Pennsylvanian	Gas Wel
30015056080000	Nadel & Gussman	1	HINKLE-FEDERAL B-26	330 FSL 330 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056090000	Nadel & Gussman	2	HINKLE-FEDERAL B-26	1650 FSL 330 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015056100000	Nadel & Gussman	3	HINKLE-FEDERAL B	330 FSL 1650 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056110000	Nadel & Gussman	4	HINKLE-FEDERAL B	1650 FSL 2310 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015056120000	Nadel & Gussman	5	HINKLE-FEDERAL B-26	330 FSL 990 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015216960000	Pride Energy	1	FEDERAL /26/	330 FSL 1980 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015217630000	Westall Ray	8	HINKLE /B/ FEDERAL	330 FNL 330 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015218700000	Pride Energy	2	FEDERAL /26/	1880 FSL 1880 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015220480000	Pride Energy	3	FEDERAL /26/	2310 FNL 1980 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015223320000	Pride Energy	4	FEDERAL /26/	990 FNL 1980 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015223560000	Westall Ray	9	HINKLE /B/ FED	2310 FNL 2310 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015231900000	Westall Ray	11-B	HINKLE FEDERAL	330 FSL 990 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015233810000	Amoco Production	1	GD P-GBG U FDL"F"CM	1980 FSL 860 FWL	Inactive	Morrow	Gas Well
30015233880003	Ricks Exploration	2	HINKLE FEDERAL	660 FNL 1980 FWL	Active	Bone Spring	Oil Well
30015235950000	Westall Ray	13	HINKLE /B/FED	1650 FSL 990 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015239150000	Westall Ray	15	HINKLE "B" FEDERAL	2310 FNL 990 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015240930000	Westall Ray	16	HINKLE "B" FEDERAL	790 FNL 990 FEL	Active	YTS-SR-QN-GRBRG	Oil Well

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30015056130000	Devon	1	EAST SHUGART UNIT	330 FSL 330 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015056140000	Ricks Exploration	1	GREENWOOD UNIT	660 FSL 660 FEL	Active	Devonian	Gas Well
30015056150000	Ricks Exploration	3	GREENWOOD UNIT	1980 FNL 660 FEL	Active	Morrow	Gas Well
30015056160000	Ricks Exploration	4	GREENWOOD UNIT	660 FNL 660 FWL	Active	Delaware	Oil Well
30015056170000	Southland Royalty	5	GREENWOOD UNIT	1880 FNL 1980 FWL			Dry Hole
30015056170001	Southland Royalty	8	HINKLE B	1880 FNL 1980 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015101060000	Pan American	9	GREENWOOD UNIT	2310 FSL 660 FWL			Dry Hole
30015101110000	Ricks Exploration	1	HINKLE FEDERAL	1650 FNL 660 FWL	Active	Delaware	Oil Well

30015105910000	Welch VS	2	HINKLE F	1650 FNL 2310 FEL			Dry Hol
30015105920000	Southland Royalty	3	HINKLE F	990 FNL 1980 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015105930000	SDX Resources	4	HINKLE F	1650 FNL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015105940000	SDX Resources	5	HINKLE F	990 FNL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015106070000	SDX Resources	6	HINKLE F	2310 FSL 1650 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015107370001	Westall Ray	17	HINKLE "B" FEDERAL	990 FSL 1650 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015107600000	Southland Royalty	8	HINKLE F	2310 FSL 990 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015207870000	Westall Ray	1	HINKLE-FEDERA B	330 FSL 1650 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015209820000	Westall Ray	2	HINKLE /B/ FEDERAL	330 FSL 2310 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015212730000	Westall Ray	3	HINKLE /B/ FEDERAL	330 FSL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015214030000	Westall Ray	4	HINKLE /B/FEDERAL	1650 FSL 1650 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015223630000	Westall Ray	10	HINKLE /B/ FEDERAL	330 FSL 330 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015226010000	Ricks Exploration	10	GRENWD PRE-GRBRG UN	1980 FSL 660 FWL	Active	Atoka	Gas We
30015245860000	SDX Resources	10	HINKLE "F"	330 FNL 330 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015250050000	Kay Jay Oil	1	SCOTTSDALE	330 FNL 2310 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015251700000	Kay Jay Oil	2	SCOTTSDALE FEDERAL	330 FNL 990 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015253070000	Kay Jay Oil	3	SCOTTSDALE FEDERAL	1850 FNL 2310 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015255540000	SDX Resources	11	HINKLE "F"	330 FNL 1650 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015258150000	Westall Ray	20	HINKLE "B" FEDERAL	2310 FSL 2310 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015306800000	KCS Medallion Res.	2	GREENWOOD FEDERAL COM	1202 FNL 660 FWL	Active	Morrow	Gas We

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30015056260000	Mask Jennings	1	LITTLE FED	1980 FSL 660 FEL			Dry Hole
30015056270001	Suppes G B	1	LITTLE B	660 FNL 660 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015102880000	Gulf	2	FEDERAL-KEOHANE C	2310 FNL 330 FEL			Dry Hole
30015201720000	SDX Resources	1	GULF	990 FNL 330 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015201960000	Southland Royalty	2	GULF	1650 FNL 330 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well

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30015222090000	Saga Petroleum	1	SHUG /A/	660 FNL 330 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015222210000	Saga Petroleum	2	SHUG /A/	1980 FNL 330 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015224090001	Brothers Production	1	KEOHANE FEDERAL COM	1980 FNL 660 FEL	Active	Atoka	Gas We

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30015056810000	Devon	13	EAST SHUGART UNIT	2310 FNL 330 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056820000	Devon	11	HINKLE-FEDERA A	2310 FNL 1650 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056830000	Devon	3	EAST SHUGART UNIT	990 FNL 330 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015056840000	Devon	2	EAST SHUGART UNIT	990 FNL 1650 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015056870000	Devon	15	EAST SHUGART UNIT	2310 FNL 2310 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015056890000	Amoco Production	2	GREENWOOD UNIT	1980 FNL 1980 FEL	Inactive	Morrow/Atoka	Gas We
30015216130000	Westall Ray	5	HINKLE /B/ FED	330 FNL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015216970000	Westall Ray	6	HINKLE /B/ FEDERAL	330 FNL 1650 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015218880000	Westall Ray	7	HINKLE /B/ FEDERAL	1650 FNL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015226020000	Ricks Exploration	11	GRNWOOD/PRE-GRBG/UN	1980 FSL 660 FWL	Active	Morrow	Gas We
30015242790000	Westall Ray	18	HINKLE "B" FEDERAL	990 FNL 2310 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015245270000	Westall Ray	19	HINKLE "B" FEDERAL	990 FNL 330 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015264840000	Hondo O&G	33	EAST SHUGART UNIT	2380 FSL 1680 FWL			Dry Hole
30015265790000	Westall Ray	21	HINKLE "B" FEDERAL	2310 FNL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015274360000	Devon	36	EAST SHUGART UNIT	2310 FSL 2310 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015274620000	Devon	37	EAST SHUGART UNIT	2270 FSL 840 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015276700000	Devon	WI-42	EAST SHUGART UNIT	330 FNL 1140 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015276710000	Devon	43	EAST SHUGART UNIT	630 FNL 2310 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015276760000	Devon	41	EAST SHUGART UNIT	1650 FNL 2210 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015276900000	Devon	40	EAST SHUGART UNIT	1650 FNL 840 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015279480000	Devon	54	EAST SHUGART UNIT	1690 FNL 1940 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015279550000	Devon	66	EAST SHUGART UNIT	2300 FSL 425 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015279580000	Devon	67	EAST SHUGART UNIT	1950 FSL 360 FEL	Active	YTS-SR-QN-GRBRG	Oil Well

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30015056920000	Devon	4	EAST SHUGART UNIT	330 FNL 330 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056930000	Devon	21	EAST SHUGART UNIT	2310 FSL 1650 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056940000	Devon	12	EAST SHUGART UNIT	2310 FNL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056950000	Devon	11	EAST SHUGART UNIT	2310 FNL 2310 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056960000	Devon	6	EAST SHUGART UNIT	990 FNL 2310 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015056970000	Devon	5	EAST SHUGART UNIT	380 FNL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015056980000	Devon	22	EAST SHUGART UNIT	2310 FSL 2310 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well

30015057000000	Devon	7	EAST SHUGART UNIT	990 FNL 2310 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015057010000	Devon	10	EAST SHUGART UNIT	2310 FNL 2310 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015057020000	Devon	20	EAST SHUGART UNIT	1980 FSL 660 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015057030000	Devon	9	EAST SHUGART UNIT	1650 FNL 990 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015057040000	Devon	8	EAST SHUGART UNIT	990 FNL 990 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015226030001	Devon	1	GREENWOOD GRAYBURG UNIT	1650 FNL 1980 FWL	Inactive	Morrow	Gas Well
30015226030002	Devon	WS-1	EAST SHUGART	1650 FNL 1980 FWL		?	WS Well
30015274280000	Devon	35	EAST SHUGART UNIT	1650 FNL 330 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015276810000	Devon	44	EAST SHUGART UNIT	990 FNL 990 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015278670000	Devon	45	EAST SHUGART UNIT	2250 FSL 580 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015278710000	Devon	47	EAST SHUGART UNIT	1650 FNL 1550 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015278730000	Devon	49	EAST SHUGART UNIT	990 FNL 1500 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015279440000	Devon	50	EAST SHUGART UNIT	1700 FNL 2335 FEL	Active	YTS-SR-QN-GRBRG	Oil Well
30015279460000	Devon	52	EAST SHUGART UNIT	290 FNL 2230 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015279490000	Devon	56	EAST SHUGART UNIT	2250 FNL 1910 FEL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015282010000	Devon	76	EAST SHUGART UNIT	1990 FNL 1940 FWL	Inactive	YTS-SR-QN-GRBRG	Oil Well
30015282180000	Devon	69	EAST SHUGART UNIT	990 FNL 1700 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015282780000	Devon	78	EAST SHUGART UNIT	2300 FSL 2300 FWL	Active	YTS-SR-QN-GRBRG	Oil Well
30015283260000	Devon	79	EAST SHUGART UNIT	2120 FNL 375 FWL	Active	YTS-SR-QN-GRBRG	Oil Well

EXHIBIT "D"

1/26/00

Patterson Drilling Company

Rig #71

5,000' - 13,500'

DRAWWORKS
Brewster N-46, 800 HP
Brake: Parmac V-80, 22" Double Hydromatic
1 1/8" Drilling Line – Crown-o-matic

ENGINES
Two D353 Caterpillar engines, 410 HP each

DERRICK
Ideal 132', 400,000# Static Hook Load Capacity

SUBSTRUCTURE
Ideal 17', Rotary Clearance 14.3', 540,000# Set Back Capacity, KB – 18'

MUD PUMPS
Pump #1: Gardner Denver PZ-8, 750 HP w/Cat 3508
Pump #2: Amerman GA 550, 550 HP w/Cat 379

DRILL STRING
10,700' - 4-1/2" Drill Pipe
21- 6-1/2" OD, 2-1/4" ID Drill Collars
4 - 8" OD, 2-1/2" ID Drill Collars
Other sizes of drill pipe and drill collars are available

BLOWOUT PREVENTERS
11" 3000# Ram/Ram/Annular, or as required

MUD SYSTEM
Two steel pits with 650 bbl capacity, fluid roller agitators, one 5" x 6" centrifugal powered by electricity, one single vibration shale shaker, 48" x 54"

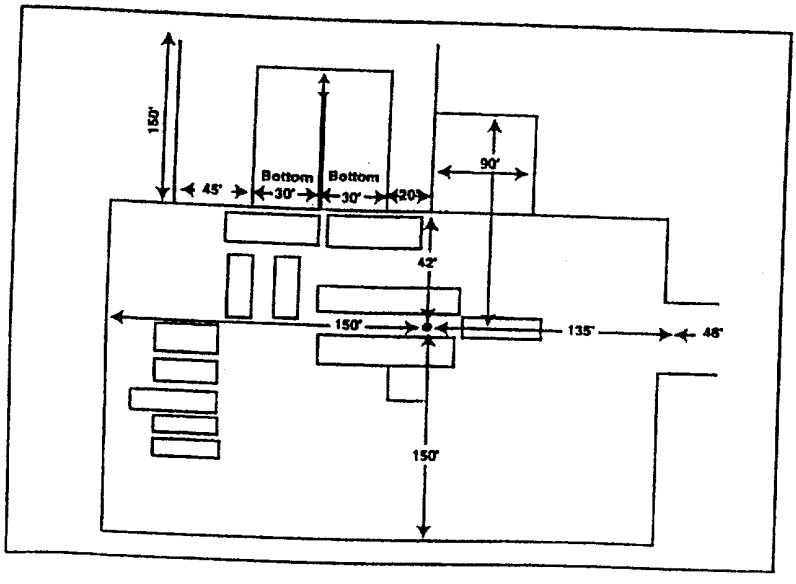
MUD HOUSE
8 x 30 Storage

COMMUNICATIONS
24 hour direct cellular telephone

OTHER EQUIPMENT
Blocks. Brewster 250 Ton
Hook. Unitized
Swivel. Brewster 65X
Rotary Table. Ideco 22", 200 Ton
Shale Shaker. Derrick Shaker
Electrical Power. Two 210-kW generators w/Cat 3306
Fresh Water Storage. Two 500 bbl tanks
Housing.
Kelly. 5 ¼" Hex, 40' Long

"Hole Requirements will dictate actual Reserve Pit size (TOOLPUSHER SHOULD BE CONSULTED)"

EXHIBIT "D" TO SURFACE USE OPERATING PLAN
GREENWOOD PRE-GRAYBURG UNIT #14



Rig 71

UNITED STATES DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-1287

Statement Accepting Responsibility for Operations

Operator Name: Ricks Exploration, Inc.
Street or Box: 210 Park Avenue, Suite 3000
City, State : Oklahoma City, OK
Zip Code : 73102

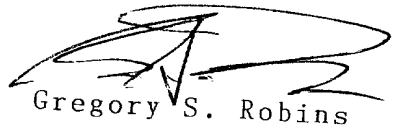
The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: LC-029302-B

Legal Description of Land: Lot I, Sec. 27-18S-31E

Formation(s) (if applicable): Silurian - Devonian

Bond Coverage (State if individually bonded or another's bond):
Ricks Exploration, Inc. - Gulf Insurance Company
BLM Bond File No.: NM 589804

Authorized Signature: 
Gregory S. Robins

Title: Exploration Manager

Date: 1/26/01