

U.S. OIL CONS. COA ISSIC  
Form 3160-3  
July 1992  
P.O. BOX 1980  
HOBBS NEW MEXICO 88241  
DEPARTMENT

OPER. CORRIG NO. 2135F  
PROPERTY NO. 19368  
POOL CODE 43329  
EFFECT DATE 9/23/96  
WELL NO. 30-025-33601

DUPLICATE  
actions on  
side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT  
APPLICATION FOR F

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
SOUTHWEST ROYALTIES INC. (Nelson Patton)

3. ADDRESS AND TELEPHONE NO.  
P.O. BOX 11390 MIDLAND, TEXAS 79702 915-686-0027

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1650' FNL & 2310' FWL SEC. 34 T17S-R33E Lea Co. NM  
At proposed prod. zone Same Unit F

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
8 Miles Southeast of Maljamar New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
990'

16. NO. OF ACRES IN LEASE  
160

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
1320'

19. PROPOSED DEPTH  
5500'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4155' GR.

22. APPROX. DATE WORK WILL START\*  
As soon as approved

5. LEASE DESIGNATION AND SERIAL NO.  
NM-94189

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
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7. UNIT AGREEMENT NAME  
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8. FARM OR LEASE NAME, WELL NO.  
Wyatt "A" Federal # 2

9. API WELL NO.  
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10. FIELD AND POOL, OR WILDCAT  
MALJAMAR

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 34 T17S-R33E

12. COUNTY OR PARISH  
LEA CO.

13. STATE  
NM

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	Conductor Pipe	NA	40'	Cement to Surface/W Redi-mix
12 1/4"	J-55 * 5/8"	24#	1500'	500 Sx. Halco Light + 400 Sx. "
7 7/8"	J-55 5 1/2"	15.5	5500"	350 Sx. Halco Light + 250 Sx. Class "C" + additives

1. Drill 26" hole to 40' and set 40' of 20" Conductor Pipe and cement to surface with Redi-mix.
2. Drill 12 1/4" hole to 1500'. Run and set 1500' of 8 5/8" 24# J-55 ST&C casing. Cement with 500 Sx. Halco Light + additives tail in with 400 Sx. Class "C" + additives circulate cement to surface.
3. Drill 7 7/8" hole to 5500'. Run and set 5500' of 5 1/2" 15.5# J-55 ST&C casing. Cement with 350 Sx. Halco Light with 10# Salt/Sx. tail in with 250 Sx. of Class "C" + additives, tie into 8 5/8" casing bring cement back to 1400'. Verify with log.

Approved by  
General Requirements and  
Special stipulations  
Attached

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Agent DATE 09/20/96

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that 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:

Timothy P. O'Brien

APPROVED BY \_\_\_\_\_ TITLE Acting Area Manager DATE SEP 13 1996

\*See Instructions On Reverse Side

Standard Loc  
Inside Majamar  
6B / SA

OPER. OGRID NO. 21355  
PROPERTY NO. 19368  
POOL CODE 43329  
EFF. DATE 9/23/96  
API NO. 30-P25-33001

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

State of New Mexico

Energy, Minerals and Natural Resources Department

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

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-33601</b>	Pool Code <b>43329</b>	Pool Name <b>MALJAMAR GRAYBURG SAN ANDRES</b>
Property Code <b>19368</b>	Property Name <b>WYATT A FEDERAL</b>	Well Number <b>2</b>
OGRID No. <b>021355</b>	Operator Name <b>SOUTHWEST ROYALTIES, INC.</b>	Elevation <b>4155'</b>

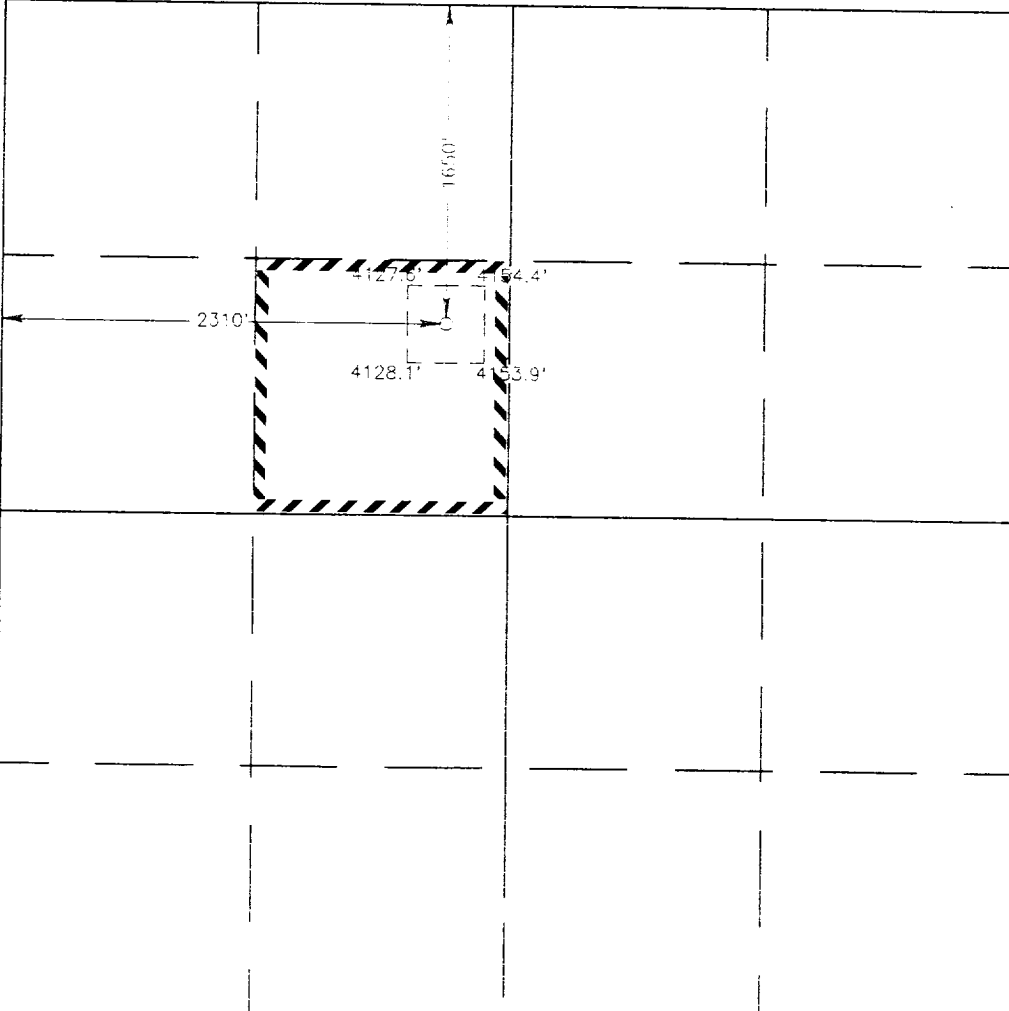
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>F</b>	<b>34</b>	<b>17 S</b>	<b>33 E</b>		<b>1650</b>	<b>NORTH</b>	<b>2310</b>	<b>WEST</b>	<b>LEA</b>

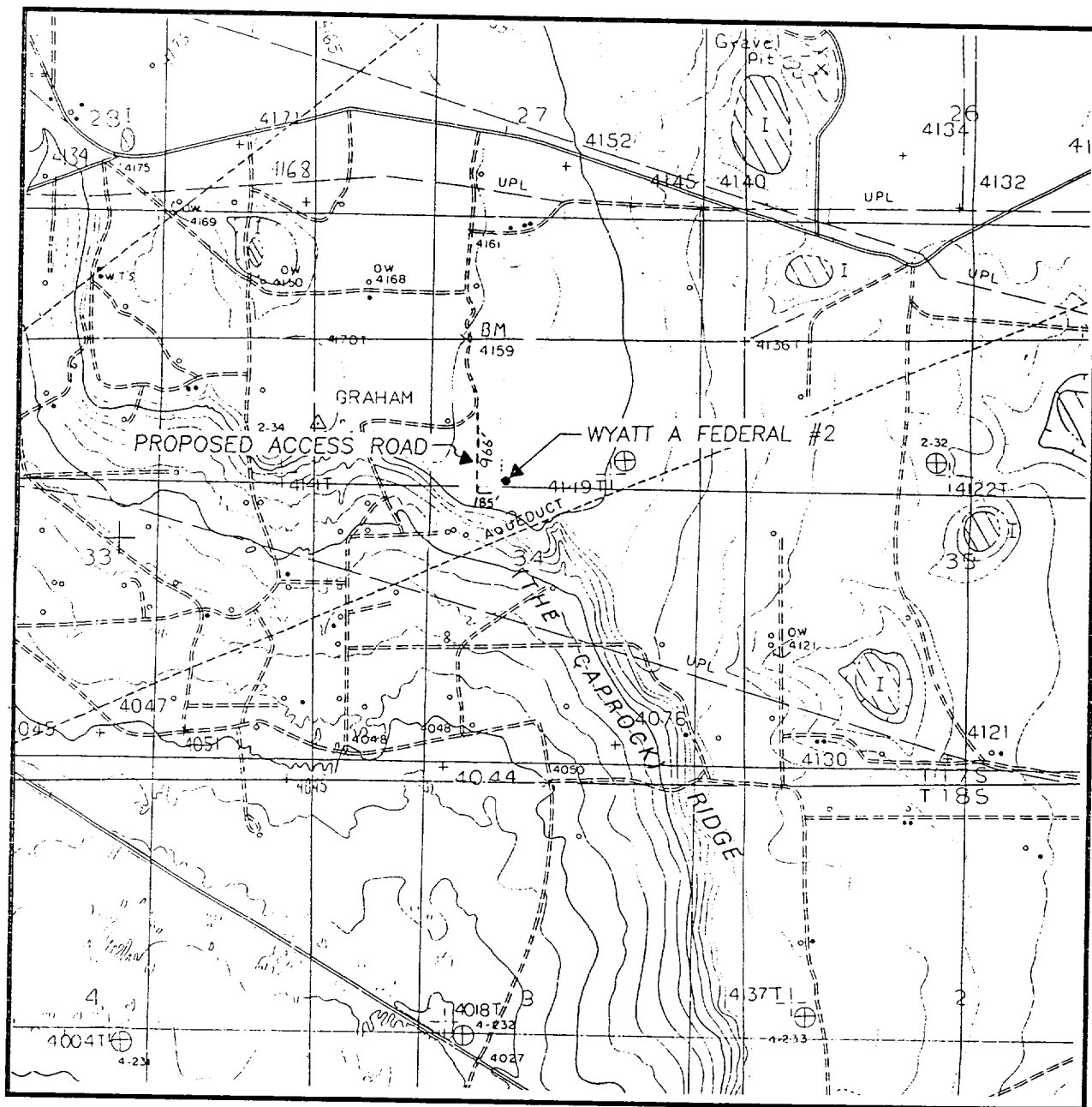
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No.						

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

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T. Janiga</i> Signature <b>Joe T. Janiga</b> Printed Name Agent Title <b>08/20/96</b> Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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 supervision, and that the same is true and correct to the best of my belief.</p> <p><b>AUGUST 14, 1996</b> Date Surveyed <i>Ronald W. Edson</i> Signature &amp; Seal of Professional Surveyor <b>CDG</b> Certificate No. <b>8289</b> <b>RONALD W. EDSON</b> <b>PROFESSIONAL SURVEYOR</b> <b>8716-96</b> <b>12641</b></p>
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# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
DOG LAKE - 10'  
WITH 5' SUPPLEMENTAL

SEC. 34 TWP. 17-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1650' FNL & 2310' FWL

ELEVATION 4155'

OPERATOR SOUTHWEST ROYALTIES, INC.

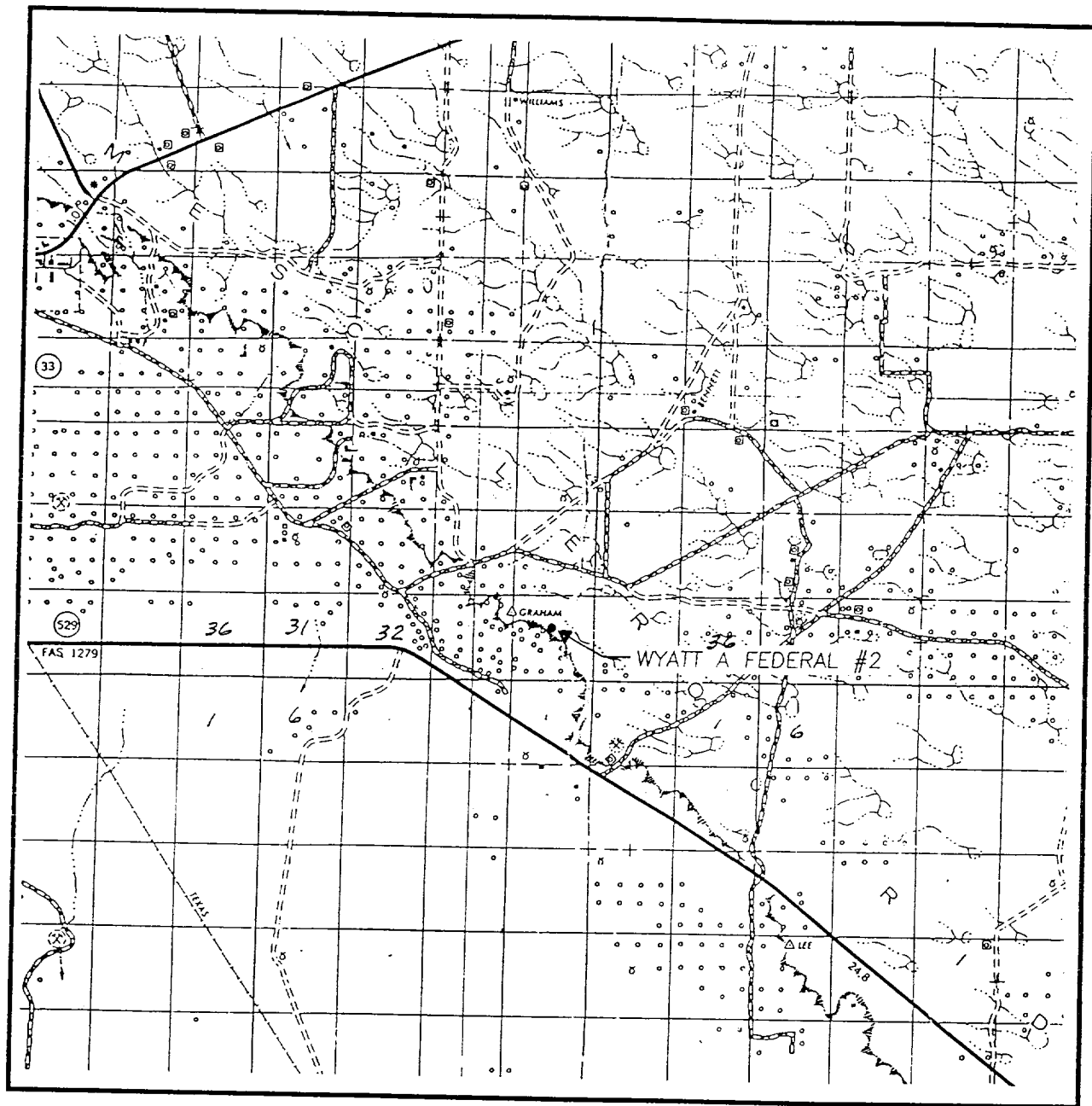
LEASE WYATT A FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

DOG LAKE, N.M.

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

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 34 TWP. 17-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1650' FNL & 2310' FWL

ELEVATION 4155'

OPERATOR SOUTHWEST ROYALTIES, INC.

LEASE WYATT A FEDERAL

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

APPLICATION TO DRILL  
SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL # 2  
1650' FNL & 2310' FWL SEC. 34  
T17S-R33E LEA CO. NM

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. Location: 1650' FNL & 990' FWL SEC. 34 T17S-R33E Lea Co.  
New Mexico
2. Elevation Above Sea Level: 4155' GR.
3. Geologic Name of Surface Formation: Quaternary Aeolian Deposits
4. Drilling Tools and Associated Equipment: Conventional rotary  
drilling rig using mud for the circulation medium.
5. Proposed Drilling Depth: 5500'
6. Estimated Geological Marker Tops:

Rustler Anhydrite	1450'	Top Queen	3776'
Top of Salt	1605'	Top of Grayburg	4209'
Base of Salt	2634'	Top of San Andres	4510'
Top of Yates	2926'		
7. Possible Mineral Bearing Formation:

Grayburg- San Andres                      Oil

8. Casing Program:

Hole Size	Intreval	OD Csg	Weight	Thread	Collar	Grade	Cond.
26"	0-40	20	NA	NA	NA	NA	New
12½"	0-1500'	8 5/8"	24#	8-R	ST&C	J-55	New
7 7/8"	1500-5500'	5½"	15.5#	8-R	ST&C	J-55	New

APPLICATION TO DRILL  
SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL # 2  
1650' FNL & 2310' FWL SEC. 34  
T17S-R33E LEA CO. NM

9. Casing Cementing & Setting Depth:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
8 5/8"	Surface Casing	Set 1500' of 8 5/8" 24# J-55 8-R ST&C casing. Cement with 500 Sx. Halco Light tail in with 400 Sx. Class "C" + 2% CaCl circulate cement to surface.
5½"	Production Casing	Set 5500' of 5½" 15.5# J-55 8-R ST&C casing. Cement with 400 Sx. of Halco Light tail in with 350 Sx. Premium Plus + .4% Fl + 10# M-cro Bond/Sx. Bring cement back to 1400' and verify with log.

10. Pressure Control Equipment: Exhibit "E" shows a Blow-out preventor sketch. A 900 series preventor 3000 PSI working pressure consisting of double rams with an annular type preventor will be used on this well all units will be hydraulically operated. Blind rams on top, pipe rams on bottom to correspond to the size drill pipe being used. The BOP will be nipped up on 8 5/8" casing and remain on well until production casing is run and cemented. BOP will be worked at least once daily and blind rams will be worked on trips when drill pipe is out of hole. The BOP will be tested as well as the choke manifold to API specs. Exhibit "E-1" shows the choke manifold and closing unit. Flow sensor PVT, full opening stabbing valve and upper kelley cock will be utilized.

11. Proposed Mud Circulating System:

Depth	Mud Wt.	Mud Visc.	Fluid Loss	Type Mud
40-1500'	8.6-9	30-35	NC	Fresh water Spud mud use paper for seepage.
1500-5500'	10-10.2	29-34	NC	Brine water add lime for pH control and paper for seepage control

Sufficient mud materials to maintain mud properties, meet lost circulation, weight increase requirments will be kept at wellsite at all times. In order to run casing and log well the viscosity may have to be raised and the water loss may have to be lowered.

APPLICATION TO DRILL  
SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL # 2  
1650' FNL & 2310' FWL SEC. 34  
T17S-R33E LEA CO. NM

12. Testing, Logging and Coring Program:

- A. No planned DST'S
- B. Open Hole Logs: DLL/LDT-CNL from TD to 1500' with Gamma-Ray and Caliper from TD to Surface.
- C. No cores are planned & no Mud Logger will be used.

13. Potential Hazards:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H<sub>2</sub>S detectors will be in place to detect any presence. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used. Estimated BHP 2000 PSI, estimated BHT 120° .

14. Anticipated Starting Date and Duration of Operation:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 8-10 days. If production casing is run an additional 30 days to complete and construct surface facility and place well on production.

15. Other Facets of Operations:

After running casing, cased hole gamma ray neutron collar logs will be run from total depth over possible pay intervals. The Grayburg-San Andres pay will be perforated and stimulated. The well will be swab tested and potential as



CONTINGENCY PLAN SHOULD H<sub>2</sub>S BE ENCOUNTERED WHILE DRILLING

1. All Company and Contract personnel admitted on location must be trained by a qualified H<sub>2</sub>S safety instructor to the following:
  - A. Characteristics of H<sub>2</sub>S
  - B. Physical effects and hazards
  - C. Proper use of safety equipment and life support systems.
  - D. Principle and operation of H<sub>2</sub>S detectors, warning system and briefing areas.
  - E. Evacuation procedure, routes and first aid.
  - F. Proper use of 30 minute pressure demand air pack.
2. H<sub>2</sub>S Detection and Alarm Systems
  - A. H<sub>2</sub>S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.
3. Windsock and/or wind streamers
  - A. Windsock at mudpit area should be high enough to be visible.
  - B. Windsock at briefing area should be high enough to be visible.
  - C. There should be a windsock at entrance to location.
4. Condition Flags and Signs
  - A. Warning sign on access road to location.
  - B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H<sub>2</sub>S present in dangerous concentration. Only emergency personnel admitted to location.
5. Well control equipment
  - A. See exhibit "E"
6. Communication
  - A. While working under masks chalkboards will be used for communication.
  - B. Hand signals will be used where chalk board is inappropriate.
  - C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.
7. Drillstem Testing
  - A. All testing will be done in daylight hours.
  - B. Exhausts will be watered
  - C. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
  - D. If location is near any dwelling a closed D.S.T. will be performed.

CONTINGENCY PLAN SHOULD H<sub>2</sub>S BE ENCOUNTERED WHILE DRILLING

8. Drilling contractor supervisor will be required to be familiar with the effects H<sub>2</sub>S has on tubular goods and other mechanical equipment.
9. If H<sub>2</sub>S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas separator will be brought into service along with H<sub>2</sub>S scavengers if necessary.

SURFACE USE PLAN

SOUTHWEST ROYALTIES INC.

WYATT "A" FEDERAL # 2

1650' FNL & 2310' FWL SEC 34

T17S-R33E LEA CO. NM

1. EXISTING ROADS. Area map, Exhibit "B" is a reproduction of the New Mexico General Hi-way Co. Map. Exhibit "C" is a reproduction of a topographic map. Existing roads and proposed roads are shown on each exhibit. All roads will be maintained in a condition equal to or better than existed prior to start of construction.
  - A. Exhibit "A" shows the proposed development well as staked.
  - B. Take Highway 62-180 west out of Hobbs to junction of State Highway 529. Turn right take 529 West for 2.4 miles to Co road 238 turn North go 10.9 miles to Co. road 125 turn West go 8.5 mi, turn South go .8 mi then turn East, go 400' to location
  - C. Flow line to be laid along road ROW from # 2 to the production facility located at well # 1 990' FWL & 1650' FNL Sec. 34.
2. PLANNED ACCESS ROADS : Approximately 1200' of new road will be constructed.
  - A. The access road will be crowned and ditched to a 12'00" wide travel surface with 40' right-of-way.
  - B. Gradient on all roads will be less than 5.00%.
  - C. No turnouts will be necessary.
  - D. If needed, road will be surfaced with a minimum of 4" of caliche. This material will be obtained from a local source.
  - E. Centerline for the new access road has been flagged. Earthwork will be as required by field conditions.
  - F. Culverts in the access road will not be used. The road will be constructed to utilize low water crossings for drainage as required by the topography.
3. LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS EXHIBIT "A-1"
  - A. Water wells - None known
  - B. Disposal wells - As shown on Exhibit "A-1"
  - C. Drilling wells - None Known
  - D. Producing wells - As shown on Exhibit "A-1"
  - E. Abandoned wells - " " " " "

SURFACE USE PLAN

SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL # 2  
1650' FNL & 2310' FWL SEC. 34  
T17S-R33E LEA CO. NM

4. If, upon completion, the well is a producer, Southwest Royalties, Inc. will furnish maps or plats showing On Well Pad facilities and Off Well Pad facilities (if needed) on a Sundry Notice before construction of these facilities starts.

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be purchased locally from a commercial source and trucked over the access roads or piped in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIALS

If needed, construction materials will be obtained from the drill site's excavations or from a local source. These materials will be transported over the access route as shown on Exhibit "C".

7. METHODS FOR HANDLING WASTE DISPOSAL

- A. 1. Drill cuttings will be disposed of in the reserve pit.
2. All trash, junk and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed all contents will be removed and deposited in an approved sanitary landfill.
3. Salts remaining after completion of the well will be picked up by the supplier, including broken sacks.
4. Sewage from trailer houses will drain into holes with minimum depth of 10'00". These holes will be covered during drilling and backfilled upon completion. A "porta John" will be provided for the rig crews. This will be properly maintained during the drilling operations and removed upon completion of the well.
- B. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. In the event drilling fluids will not evaporate in a reasonable period of time they will be transported by tank truck to a state approved disposal site. Pits will then be broken out to speed drying.

Water produced during testing of the well will be disposed of in the reserve pit. Oil produced during testing of the well will be stored in test tanks until sold and hauled from the site.

8. ANCILLARY FACILITIES

No camps or airstrips will be constructed.

SURFACE USE PLAN

SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL # 2  
1650' FNL & 2310' FWL SEC. 34  
T17S-R33E LEA CO. NM

9. WELL SITE LAYOUT

- A. Exhibit "D" shows the proposed well site layout.
- B. This exhibit indicated proposed location of reserve and sump pits and living facilities.
- C. Mud pits in the active circulating system will be steel pits and the reserve pit is proposed to be unlined, unless subsurface condition encountered during pit construction indicate that lining is needed for lateral containment of fluids.
- D. If needed, the reserve pit is to be lined with polyethylene. The pit liner will be 6 mils thick. Pit liner will extend a minimum 2'00" over the reserve pits dikes where the liner will be anchored down.
- E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be contoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

SURFACE USE PLAN

SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL # 2  
1650' FNL & 2310' FWL SEC. 34  
T17S-R33E LEA CO. NM

11. OTHER INFORMATION:

- A. The topography consists of flat low dip Caliche and Limestone caprock of the Mescalero Ridge. Dip is 10' to 15' per mile to the West. Vegetation is native grasses and mesquite.
- B. The surface is used primarily for grazing livestock and lease roads for access to producing oil and gas wells.
- C. The surface is owned by Gary Caviness, East Star Route, Maljamar New Mexico 88264. Phone 505-676-4201. The minerals are owned by the U. S. Department of Interior.
- D. An archaeological survey will be conducted on the road and location and the results will be sent to the BLM in Carlsbad New Mexico.
- E. There are no dwellings within 2 miles of this location.

12. OPERATOR'S REPRESENTATIVE:

Before APD is approved:

Tierra Exploration Inc.  
P.O. Box 2188  
Hobbs, New Mexico 88241  
Office Phone 505-392-2112  
Joe T. Janica

After APD is approved:

Southwest Royalties Inc.  
P.O. Box 11390  
Midland, Texas 79702  
Office Phone 915-686-9927  
Nelson Patton

13. CERTIFICATION: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, are true and correct; and that the work associated with the operations proposed herein will be performed by Southwest royalties Inc., its contractors/subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

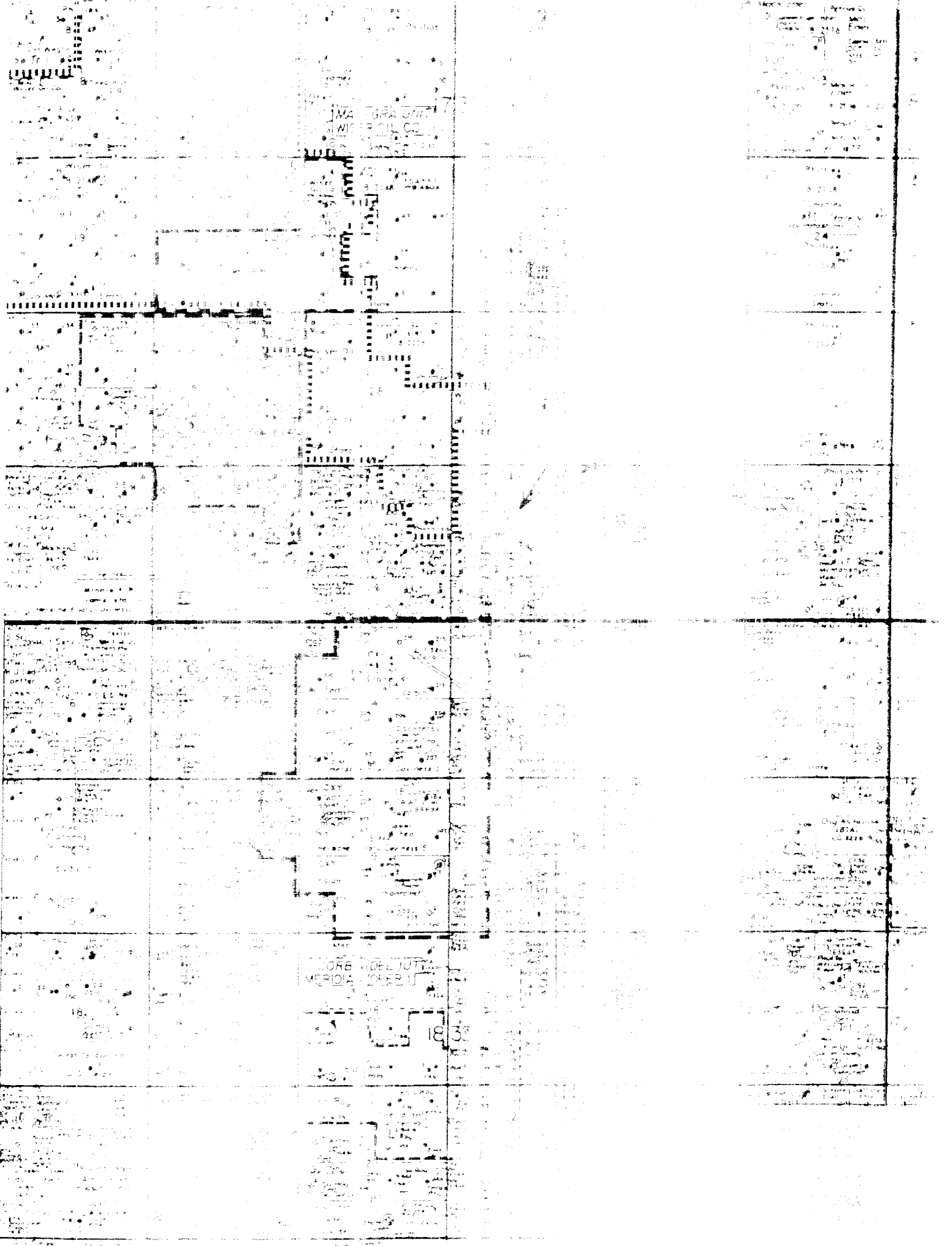
NAME:

TITLE:

Agent

DATE:

08/20/96



MA GRA 011  
WATER OIL CO.

CORB (DEL JUTIA  
MERIDIA CORB)

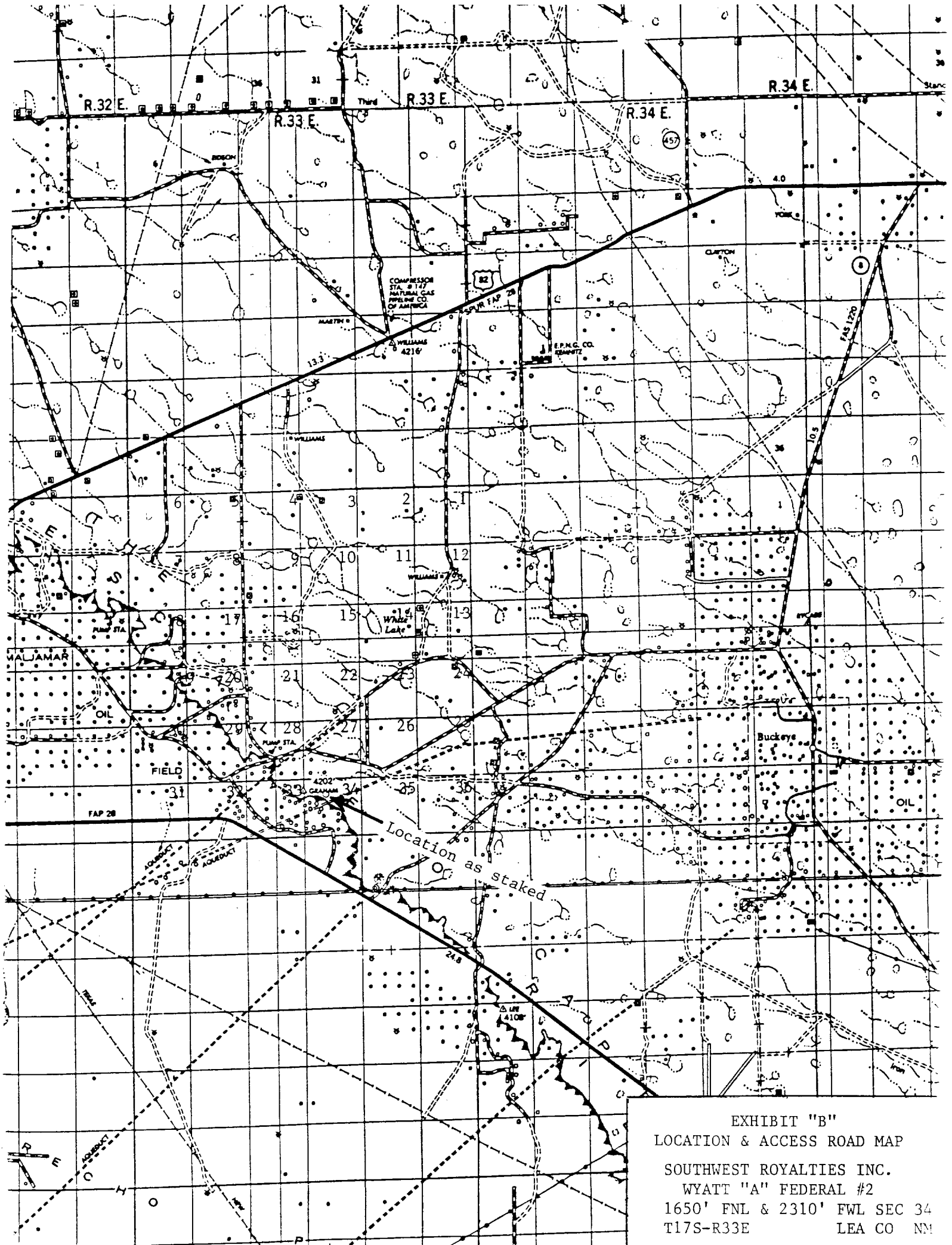
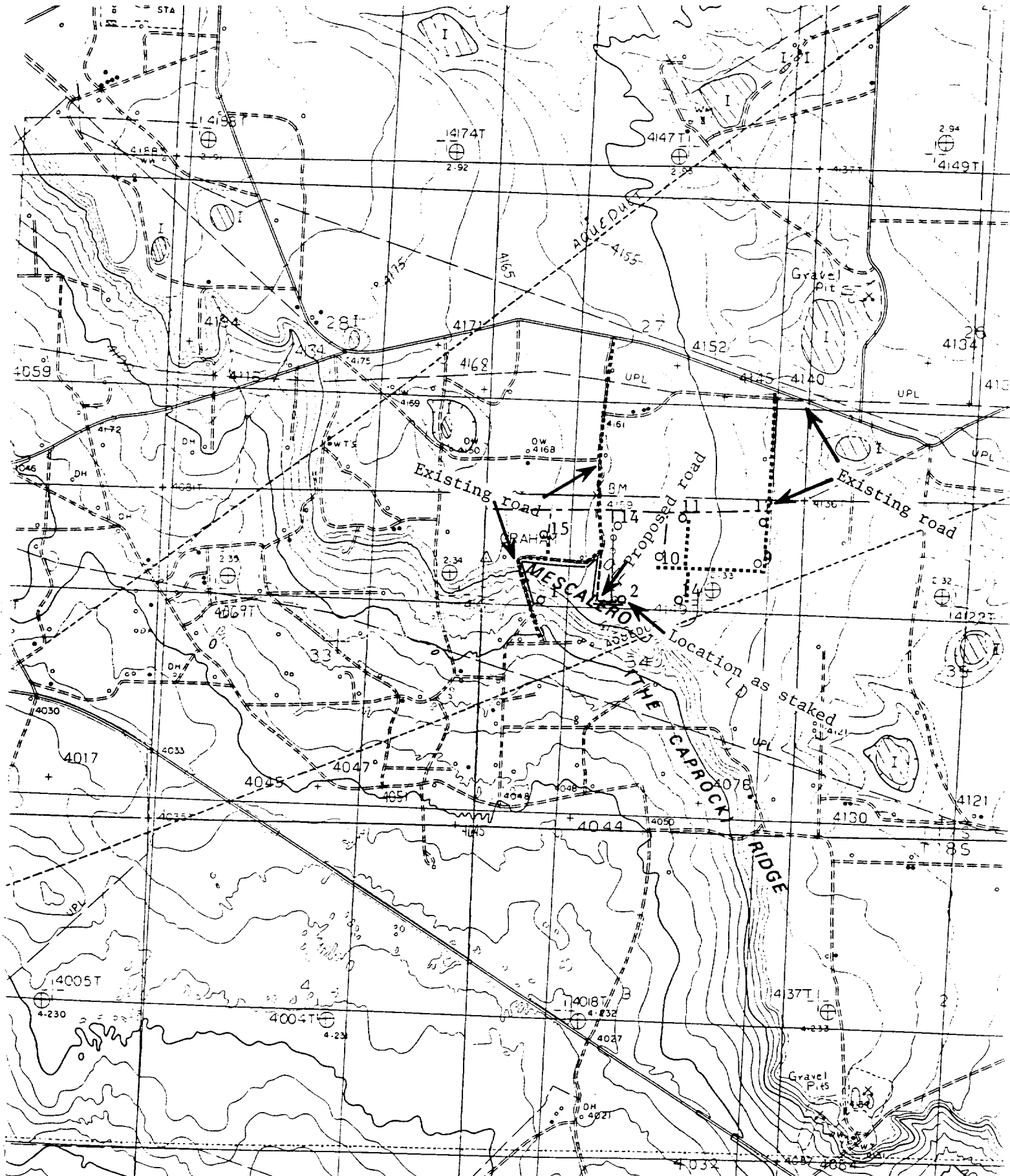


EXHIBIT "B"  
LOCATION & ACCESS ROAD MAP  
SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL #2  
1650' FNL & 2310' FWL SEC 34  
T17S-R33E LEA CO NM



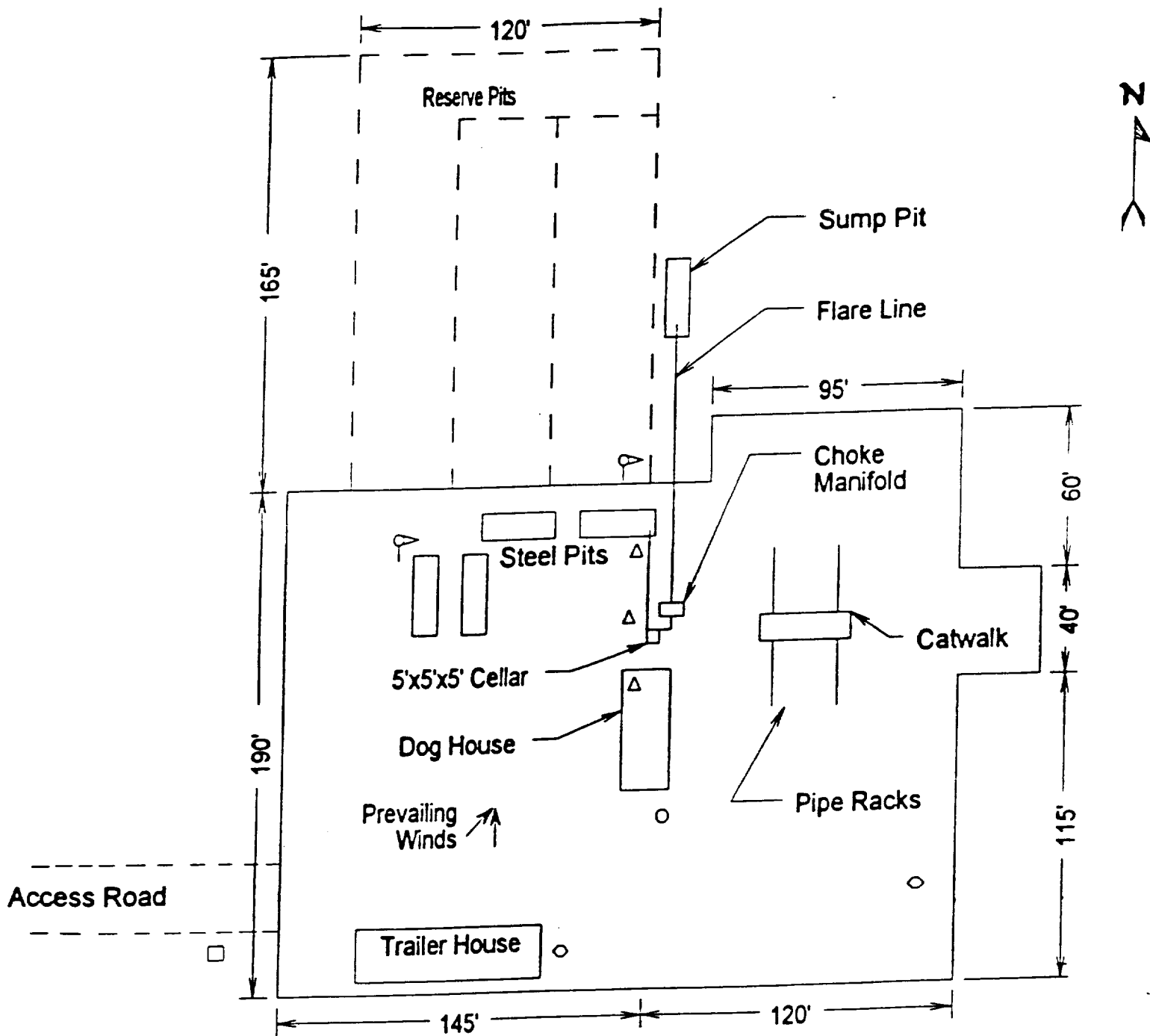


# LEGEND:

- ..... Existing Roads
- Proposed Roads
- Existing Power Lines
- Proposed Power Lines
- Proposed Flow Lines

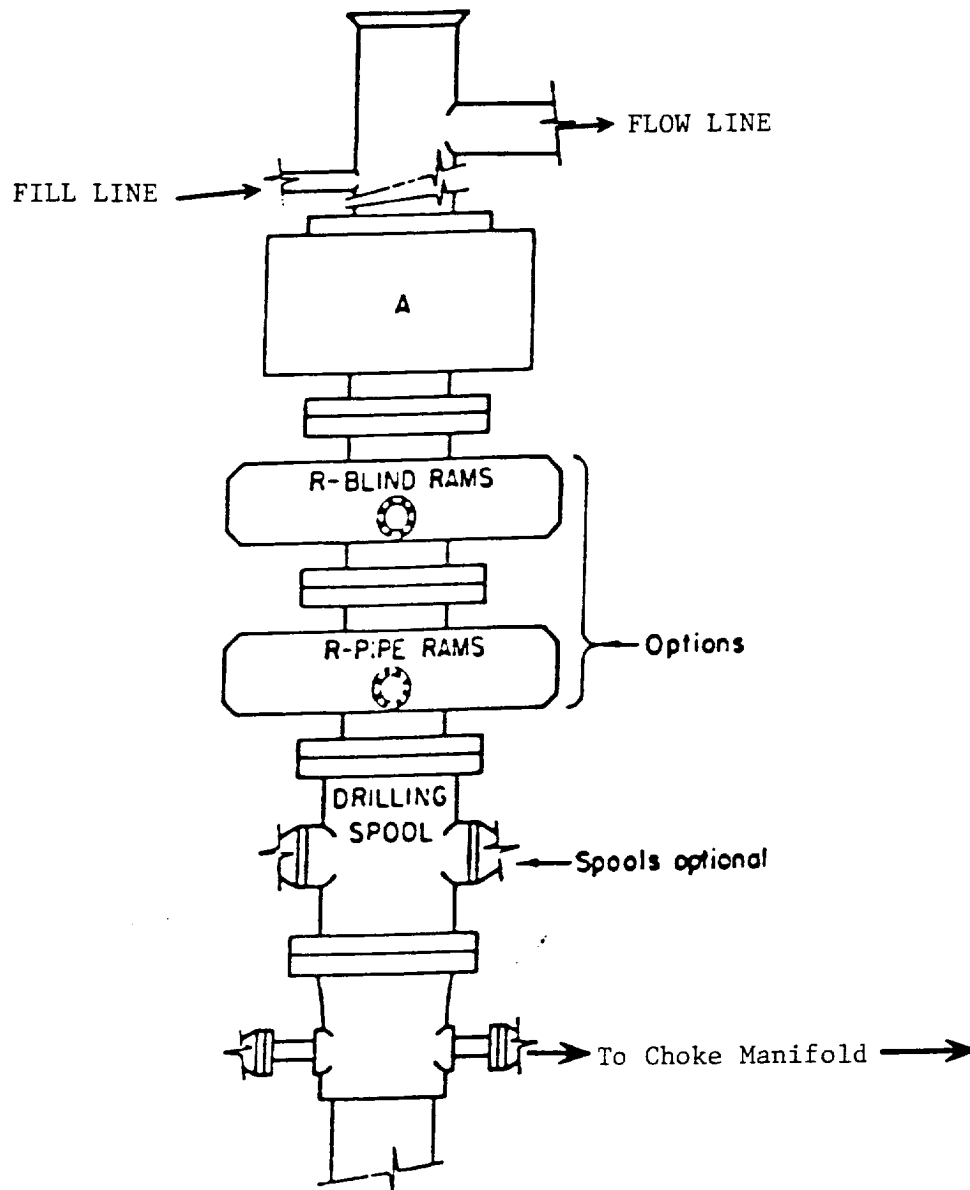
## EXHIBIT "C"

TOPOGRAPHIC MAP SHOWING  
ROADS & DIRECTIONS TO  
SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL #2  
1650' FNL & 2310' FWL SEC 34  
T17S-R33E LEA CO NM



- Wind Direction Indicators  
(wind sock or streamers)
- △ H2S Monitors  
(alarms at bell nipple and shale shaker)
- Briefing Areas
- Remote BOP Closing Unit
- Sign and Condition Flags

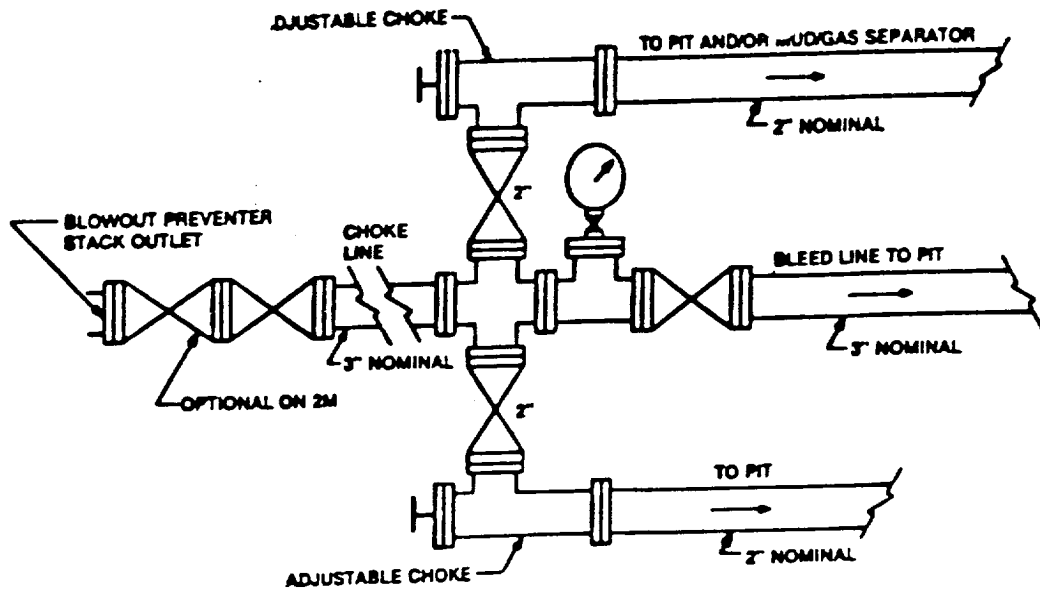
EXHIBIT "D"  
RIG LAYOUT PLAT  
SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL #2  
1650' FNL & 2310' FWL SEC 34  
T17S-R33E LEA CO NM



# **ARRANGEMENT SRRA**

900 Series  
3000 PSI WP

EXHIBIT "E"  
B.O.P. SKETCH TO BE USED ON  
SOUTHWEST ROYALTIES INC.  
WYATT "A" FEDERAL #2  
1650' FNL & 2310' FWL SEC 34  
T17S-R33E LEA CO NM



Typical choke manifold assembly for 3M WP system

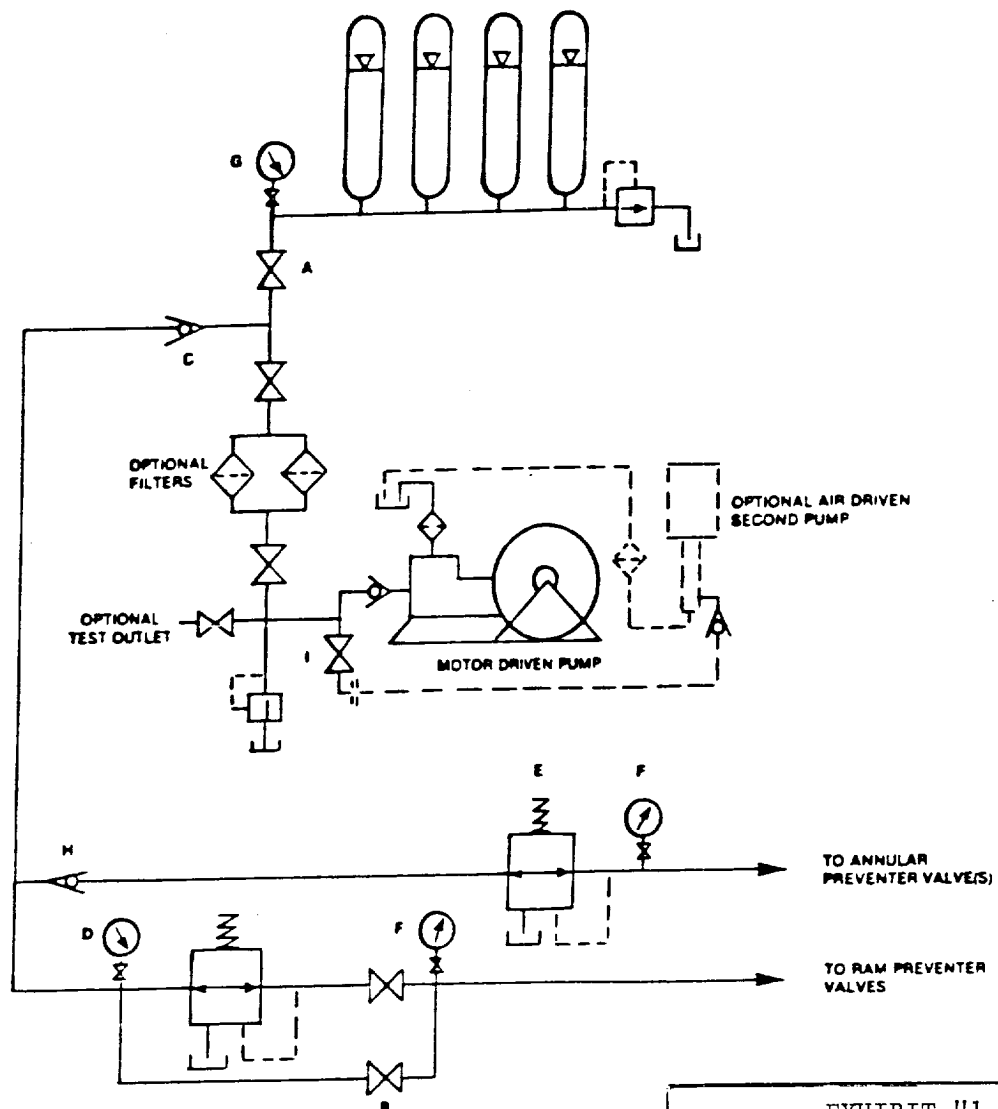


EXHIBIT "1-E"  
 CHOKE MANIFOLD & CLOSING UNIT  
 SOUTHWEST ROYALTIES INC.  
 WYATT "A" FEDERAL #2  
 1650' FNL & 2310' FWL SEC 34  
 T17S-R33E LEA CO NM