

ABOVE THIS LINE FOR DIVISION USE ONLY

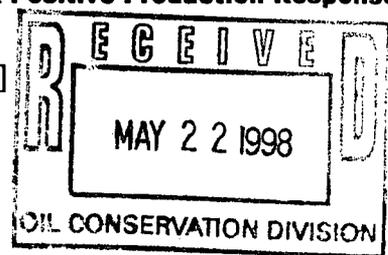
**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

**ADMINISTRATIVE APPLICATION COVER SHEET**

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

**Application Acronyms:**

- [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
- [DD-Directional Drilling] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]



[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Directional Drilling  
 NSL     NSP     DD     SD

Check One Only for [B] and [C]

- [B] Commingling - Storage - Measurement  
 DHC     CTB     PLC     PC     OLS     OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX     PMX     SWD     IPI     EOR     PPR

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or  Does Not Apply**

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

**Note: Statement must be completed by an individual with supervisory capacity.**

<u>Eileen Dey</u> Print or Type Name	<u>Eileen Dey</u> Signature	<u>Regulatory Supervisor</u> Title	<u>5-19-98</u> Date
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# **BURLINGTON RESOURCES**

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MID-CONTINENT DIVISION

May 19, 1998

Mr. Michael E. Stogner  
Energy, Minerals and Natural Resources Dept.  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505-5472

RE: Proposed Horizontal Well  
Standard Surface Location  
\*Non-Standard Sub-Surface Bottom Hole Location  
Due to Topographic Limitations

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Burlington Resources Oil & Gas Company, OGRID #26485  
El Paso "14" Federal #1  
Ross Draw Wolfcamp Gas Pool, Pool Code 84330  
Surf. Loc.: NE/4 SW/4, UL-K, 1900' FSL & 1850' FWL  
Section 14, T26S, R30E, Eddy County, New Mexico  
Lse. #NM 93207

Dear Mr. Stogner:

Burlington Resources Oil & Gas Company desires administrative approval for a non-standard gas producing area/sub-surface bottom hole gas well location for the vertical portion of the wellbore for the proposed horizontal well, pursuant to Division General Rule 104.F and 111.C(2) to be applicable to the Ross Draw Wolfcamp (Gas) Pool for the El Paso "14" Federal #1, located at a standard surface location NE/4 SW/4, 1900' FSL & 1850' FWL, (Unit K) of Section 14, T26S, R30E, Eddy County, New Mexico.

The S/2 of said Section 14, being a standard 320-acre gas spacing and proration unit for this interval is to be dedicated to said well. The SW/4 SW/4 of this proration unit is under Lease #NM100856. If this well is productive, a communitization agreement will be filed.

Burlington's request for an unorthodox subsurface bottom hole location of NE/4 SW/4, 2080' FSL & 1850' FWL, (Unit K) of Section 14, T26S, R30E, Eddy Co., NM, will allow for potential drilling bit drift to the north due to natural drift tendencies during normal vertical rotary drilling operations. Our options to move the surface location to the south are closed by topographical limitation (i. e. archeological sites. Enclosed is the location plat for this proposed well showing the surface location, proposed kick-off point, wolfcamp penetration point and the proposed horizontal bottom hole location at UL-O, 983' FSL, 1650' FEL of said Section 14.

Page -2-

Enclosed is the federal application package for the permit to drill. Burlington Resources Oil & Gas Co. is the affected offsets to the north side of this 320 acre proration unit which is the side that the sub-surface vertical bottom hole location encroches on.

The applicable drilling window or "producing area" within the Ross Draw Wolfcamp Gas Pool for said wellbore shall include that area within the subject 320-acre spacing and proration unit comprising of the S/2 of said Section 14 that is:

- (a) no closer than 660 feet to the North & South boundary of said 320-acre unit;
- (b) no closer than 1650 feet from the East and West Lines of said Section 14.

Burlington Resources will comply with all provision of Division General Rule 111 applicable in this matter. Please call me if you require additional information on this application.

Sincerely,



**Maria L. Perez**  
Regulatory Representative  
A/C 915-688-6906

cc: New Mexico Oil Conservation Division – Artesia  
U. S. Bureau of Land Management – Roswell

(s:mlp1:El Paso 14 Fed. #1-UL.doc)

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

State of New Mexico  
 Energy, Minerals, and Natural Resources Department

Form C-102  
 Revised 02-10-94  
 Instructions on back

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

**OIL CONSERVATION DIVISION**  
 P. O. Box 2088  
 Santa Fe, New Mexico 87504-2088

Submit to the Appropriate  
 District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

DISTRICT III  
 1000 Rio Brazos Rd.  
 Aztec, NM 87410

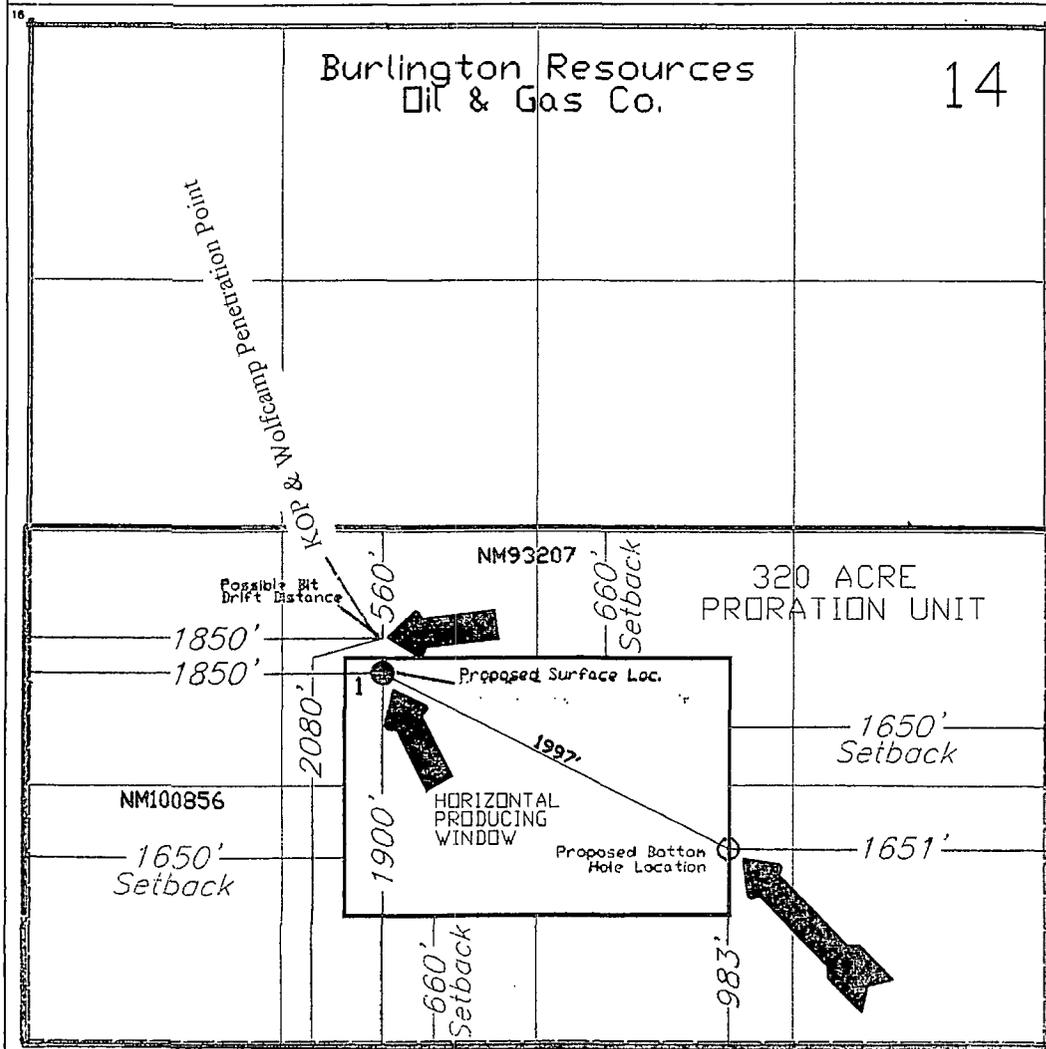
AMENDED REPORT

DISTRICT IV  
 P. O. Box 2088  
 Santa Fe, NM 87507-2088

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number		2 Pool Code 84330		3 Pool Name ROSS DRAW WOLFCAMP GAS					
4 Property Code		5 Property Name EL PASO '14' FEDERAL						6 Well Number #1	
7 OGRID No. 26485		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY						9 Elevation 3163'	
10 SURFACE LOCATION									
UL or lot no. K	Section 14	Township 26 SOUTH	Range 30 EAST, N.M.P.M.	Lot Ida	Feet from the 1900'	North/South line SOUTH	Feet from the 1850'	East/West line WEST	County EDDY
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no. O	Section 14	Township 26 SOUTH	Range 30 EAST, N.M.P.M.	Lot Ida	Feet from the 983'	North/South line SOUTH	Feet from the 1651'	East/West line EAST	County EDDY
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WELL 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 that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
*Maria L. Perez*  
 Printed Name  
 Maria L. Perez  
 Title  
 Regulatory Representative  
 Date  
 5-19-98

**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 supervision, and that the same is true and correct to the best of my belief.

Date of Survey  
 5-19-98  
 Signature  
*Roger M. Robbins*  
 Registered Professional Surveyor  
 Certificate No.  
 ROGER M. ROBBINS P.S. #12128  
 JOB # 58145 / 23 SE / V.H.B.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.  
NM93207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
EL PASO "14" #1  
FEDERAL

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT  
ROSS DRAW WOLFCAMP GAS

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
14, T26S, R30E

12. COUNTY OR PARISH  
EDDY

13. STATE  
N. M.

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK  
DRILL  DEEPEN

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER HORIZONTAL  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
BURLINGTON RESOURCES OIL AND GAS COMPANY

3. ADDRESS AND TELEPHONE NO.  
P.O. Box 51810 Midland, TX 79710-1810 915-688-6906

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. \*)  
At surface  
K, 1900' FSL & 1850' FWL - SURF. LOCATION  
At proposed prod. zone  
O, 983' FSL & 1650' FEL, BOTTOM HOLE LOCATION

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 740'

16. NO. OF ACRES IN LEASE  
320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
880' SW of Dry Hole

19. PROPOSED DEPTH  
14,200' MD, 12,300' TVD

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3163' GR

22. APPROX. DATE WORK WILL START\*  
7-5-98

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8", H-40, STC	48#	400'	450 SXS, CIRCULATE CMT TO SURFACE
12-1/4"	9-5/8", K55, LTC	36#	3700'	1950 SXS, CIRCULATE CMT TO SURFACE
8-3/4"	7", P-110, LTC	26#	11,900'	1475 SXS, TOC +/- 3300'
6-1/8"	4-1/2" P110, HDL	15.1# LINER	11,600'-TD	100 SXS - LINER TOP CMT.

REQUESTING UNORTHODOX BOTTOM HOLE LOCATION FOR VERTICAL SECTION OF HOLE. HORIZONTAL BOTTOM HOLE LOCATION IS A STANDARD LOCATION. SEE PLAT ATTACHED. APPLICATION FOR THIS REQUEST HAS BEEN SENT TO THE OCD IN SANTA FE.

UPON COMPLETION OF THIS WELL, BURLINGTON RESOURCES REQUESTS APPROVAL TO LAY A 3" POLYLINE SDR-7 ABOVE GROUND, ALONG PROPOSED 1900' OF LEASE ROAD, AS SHOWN ON EXHIBIT "A". PLANS ARE TO LAY POLYLINE TO THE EL PASO 23 #2 LOCATION IN UL-B, SEC. 23, T26S, R30E AND TIE IN TO THE EXISTING POLYLINE AT THIS LOCATION. FROM THIS LOCATION, THE PRODUCED WATER WILL THEN GO INTO THE CRW DISPOSAL CORPORATION LINE LOCATED IN UL-M, SEC. 23, T26S, R30E.

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 Maria L. Perez TITLE REGULATORY REPRESENTATIVE DATE 5-18-98

(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:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

(s:mlp1:E Paso Fed #1-APD.DOC)

<b>OPERATORS NAME:</b>	<b>Burlington Resources Oil &amp; Gas Company</b>
<b>LEASE NAME AND WELL NO.:</b>	<b>El Paso 14 Federal #1</b>
<b>LOCATION:</b>	<b>UL-K, 1900' FSL &amp; 1650' FWL, Sec. 14, T26S, R30E</b>
<b>FIELD NAME:</b>	<b>Ross Draw Wolfcamp Gas</b>
<b>COUNTY:</b>	<b>Eddy County, New Mexico</b>
<b>LEASE NUMBER:</b>	<b>NM 93207</b>

The following information is to supplement BLM form 3160-3 Application for permit to drill in accordance with Onshore Oil and Gas Order No. 1:

**9-POINT DRILLING PLAN**  
**Horizontal Well**

1. Name and estimated tops of important geologic formation/marker horizons.

<u>FORMATION</u>	<u>DEPTH</u>	
Rustler	Surface	SS, Dol, Anhy
Salado	800'	Salt & Anhy
Castille	3,500'	Anhy & Salt
Delaware	3,710'	SS, Shale, LS
Bone Springs	7,650'	SS, Shale, LS
Wolfcamp	10,900'	Shale, LS
Wolfcamp "A"	12,230'	Limestone

2. Estimated depths at which the top and bottom of formations potentially containing usable water, oil, gas, or prospectively valuable deposits of other minerals are expected to be encountered and the operator's plans for protecting such resources.

Wolfcamp	10,900'
Wolfcamp "A" Limestone	12,230'

OTHER ZONES:

Delaware	3,710'
Bone Springs	7,650'

3. The operator's minimum specifications for Blowout Preventer (BOP) and related equipment to be used and schematic diagrams thereof showing sizes, pressure ratings, and the testing procedures and testing frequency. BOP and BOP - related equipment (BOPE) schematics shall include schematics of choke manifold equipment. Accumulator systems and remote controls shall be utilized.

**Surface Csg**

Install 13-3/8" SOW x 13-5/8" 3M psi WP casing head with 36" base plat.  
Nipple up 13-5/8" 1500 psi WP annular preventer w/rotating head.  
Test the 13-3/8" casing to 500 psi using rig pump and hold for 30 minutes.

**Intermediate Csg**

Install 13-5/8" 3M psi WP x 11" 5M psi WP casing spool. Nipple up 11" 5M x 13-5/8" 5M DSA. NU 13-5/8" 5M psi WP BOP's including annular w/rotating head. (API RP53 Fig 2.C.5 SRRAG). Test ram BOP's and choke manifold to 250 psi and 3,000 psi, test annular BOP to 250 psi and 1,500 psi utilizing a test plug and an independent tester..

**Production Csg**

Install 11" 5M psi x 7-1/16" 10M psi tbg head. Test head to 4,350 psi (70 % x Casing Pc of 6,230) or the wellhead manufacturer's recommendation, whichever is less. NU 7-1/16" 10M psi WP BOP's including annular w/rotating head (API RP53 fig 2.C.9 RSRRAG). Test ram BOP's and choke manifold to 250 psi and 10,000 psi, test annular BOP to 250 psi and 3,500 psi utilizing a test plug and an independent tester.

4. The proposed casing program including size, grade, weights, type of thread and coupling, and the setting depth of each string and its condition (new or acceptably reconditioned). For exploratory wells, or for wells as otherwise specified by the authorized officer, the operator shall include the minimum design factors for tensions, burst, and collapse that are incorporated into the casing design. In cases where tapered casing strings are utilized, the operator shall also include and/or setting depths of each portion.

**CASING:**

17-1/2" hole      Set 13-3/8", 48#, H-40, STC csg @ 400'

12-1/4" hole      Set 9-5/8", 36#, K-55, LTC csg @ 3700'

8-3/4" hole Set 7", 26#, P-110, LTC, csg @ 11,900'

6-1/8" Pilot Hole to Vertical Total Depth of 12,370'

Plug Back to Kick-off Point @  $\pm 12,071'$

Target Azimuth = 117 Degrees  
Final Inclination = 90 Degrees  
Total Vertical Section = 1997'  
Total Depth = 14,200' MD, 12,300' TVD

Run 4-1/2" 15.1# P-110 HDL Liner. Hang off in 7" casing with mechanical liner hanger. (Top of liner @ +/- 11,600', Bottom of Liner @ TD).

5. The amount and type(s) of cement, including anticipated additives to be used in setting each casing string, shall be described. If stage cementing techniques are to be employed, the setting depth of the stage collars and amount and type of cement, including additives, and preflush amounts to be used in each stage, shall be given. The expected linear fill-up of each cemented string, or each stage when utilizing stage-cementing techniques, shall also be given.

a.) Surface Hole (17-1/2" X 13 3/8" csg): Cmt w/450 sxs Class "C" + 2% CaCl<sub>2</sub>, .25 pps Flocele.

(Circulate cement to surface).

b.) Intermediate Hole (12-1/4" X 9 5/8" csg): **Two Stage** (DV Tool @  $\pm 2000'$ )

**First Stage:** Lead w/650 sxs Class "C" Lite + 2% CaCl<sub>2</sub>, .25 pps Flocele,  
**Tail** w/300 sxs Class "C", 1% CaCl<sub>2</sub>.

**Second Stage:** Lead w/900 sxs Class "C" Lite + 2% CaCl<sub>2</sub>, .25 pps Flocele.  
**Tail** w/100 sxs Class "C" + 1% CaCl<sub>2</sub>.

(Circulate cement to surface)

c.) Production Hole (8-3/4" hole X 7" csg): **Two Stage** (DV Tool @ ± 7500')

**First Stage Lead** w/800 sxs Class "H" 50/50 Poz, 2% Gel (Extender), 3 pps Salt (Accelerator), .3% Halad-322 (Fluid Loss), .25 pps Flocele, **Tail** w/100 sxs Class "H", .5% Halad-322 (Fluid Loss), .3% Halad-344 (Fluid Loss)

**Second Stage Lead** w/475 sxs Class "H" Lite, 5 pps Gilsonite, .25 pps Flocele. **Tail** w/100 sxs Class "C" + .4% HALAD-9 (Fluid Loss).

TOC @ ± 3300' (inside 9-5/8").

d.) Plugback Cement

+/- 150 sxs Class "H" + .75% CFR-3 (Dispersant), .5 pps D-AIR-1(Defoamer) .6% HALAD-9 (Fluid Loss).

e.) Liner top cement

DV Tool/ECP @ +/- 12,100'.

100 sxs Class "H" + .5% Halad-322 (Fluid Loss), .4% Halad-344 (Fluid Loss), .2% HR-5 (Retarder)

6. The anticipated characteristics, additives, use, and testing of drilling mud to be employed, along with the types and quantities of mud products to be maintained, shall be given. When air or gas drilling is proposed, the operator shall submit the following specific information:

**Mud Program:**

0-400': fresh water, gel, and lime system, MW 8.9 - 9.3 ppg.

400'-3700': brine, MW 10.0 - 10.2 ppg

3700'-11,900': cut brine mud MW 9.0 - 9.3 ppg

11,900'-14,200' (6-1/8" Pilot Hole & Lateral Section): weighted water base mud

MW 11.5 - 15.0 ppg.

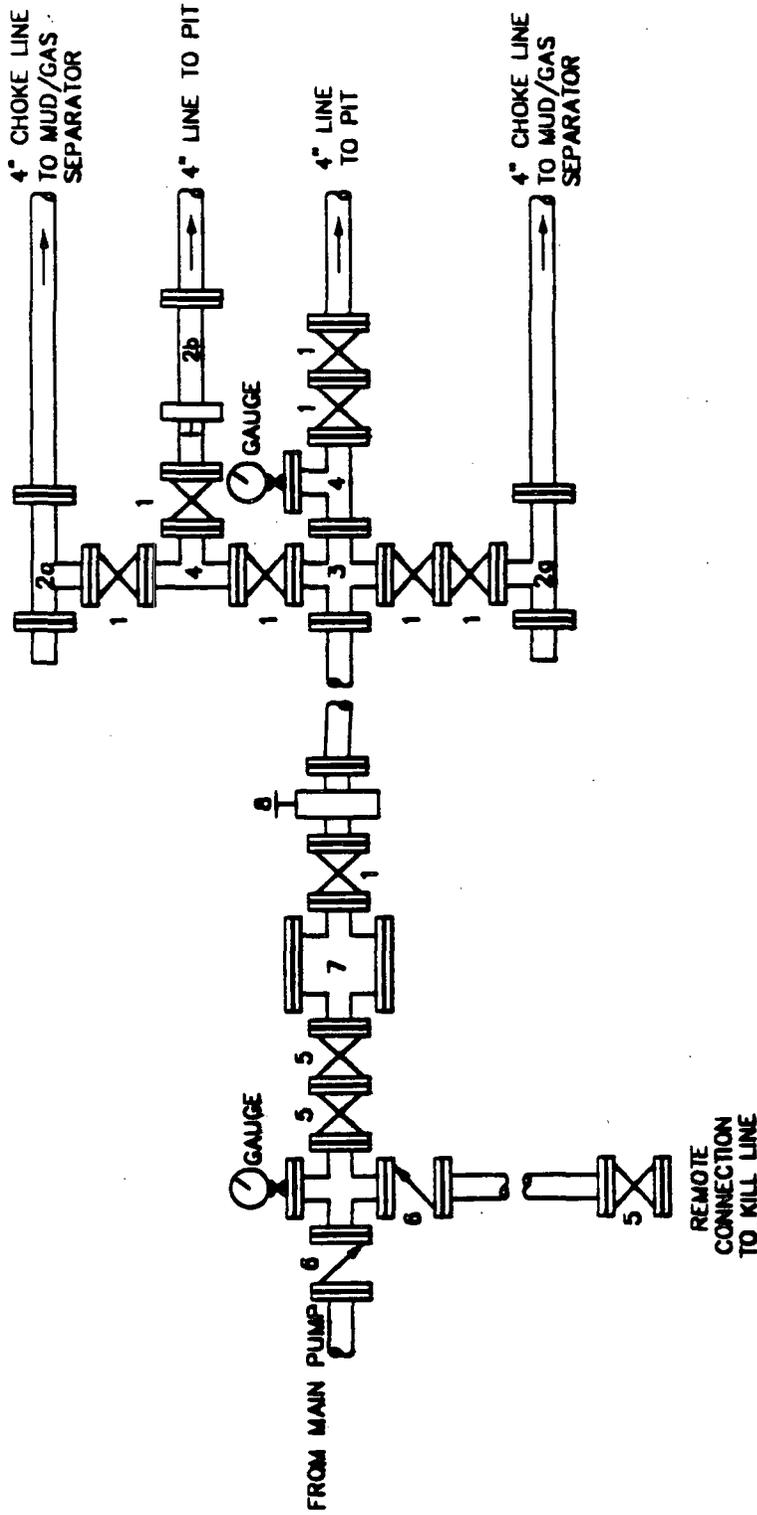
7. The anticipated testing, logging, and coring procedures to be used, including drill stem testing procedures, equipment, and safety measures.
  - a. DST Program: None Planned
  - b. Core: None Planned
  - c. Mud Logging: 3000' to TD
  - d. Logs to be run: Halliburton  
CNL/LDT, DIL/SFL, GR, CAL, BHC above 7"  
CNL/LDT, DLL/MSFL, GR, CAL, BHC, CAST below 7"  
Logs to be run in vertical hole only
8. The expected bottom-hole pressure and any anticipated abnormal pressures, temperatures or potential hazards that are expected to be encountered, such as lost circulation zones and hydrogen sulfide. The operator's plans for mitigating such hazards shall be discussed. Should the potential to encounter hydrogen sulfide exist, the mitigation procedures shall comply with the provisions of Onshore Oil and Gas Order No. 6.

Potential for abnormal pressure exists from the top of the Wolfcamp to TD. Bottom hole pressures at TD is estimated at 9150 psi. Bottom hole temperature 205 F. There is no anticipated Hydrogen Sulfide in this known drilling area. .

9. Any other facets of the proposed operation which the operator wishes for BLM to consider in reviewing the application.

Anticipated time expected to do this work is 72 days. (Horizontal Well)

# CHOKE MANIFOLD SCHEMATIC



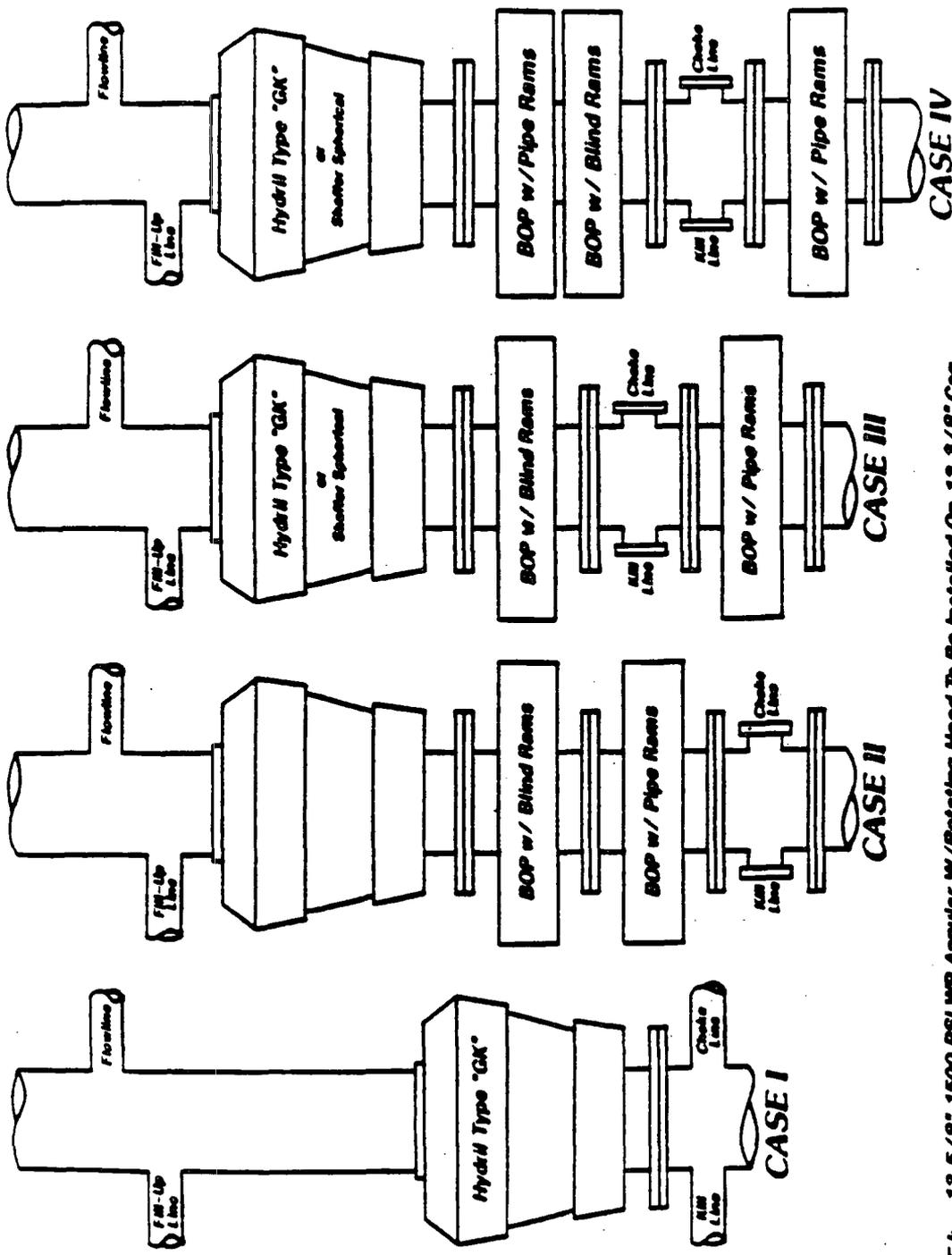
## LEGEND

1. 4" FLANGED ALL STEEL VALVE MUST BE EITHER CAMERON "F", HALLIBURTON LOW TORQUE, OR SHAFFER FLO-SEAL.
- 2a. 2 9/16" REMOTE OPERATED FLANGED CHOKE, FULL OPENING & EQUIPPED W/HARD TRIM.
- 2b. 2 9/16" MANUAL OPERATED FLANGED CHOKE, FULL OPENING & EQUIPPED W/HARD TRIM.
3. 4" x 4" FLANGED STEEL CROSS.
4. 4" FLANGED STEEL TEE.
5. 2" FLANGED ALL STEEL VALVE (TYPE AS IN #1).
6. 2" FLANGED CHECK VALVE.
7. DRILLING SPOOL W/2" x 4" FLANGED STEEL OUTLET.
8. 4" PRESSURE OPERATED GATE VALVE.

## NOTES

CHOKE MANIFOLD MAY BE LOCATED IN ANY CONVENIENT POSITION. USE ALL STEEL FITTINGS THROUGHOUT. MAKE 90° TURNS WITH BULL PLUGGED TEES ONLY. NO FIELD WELDING WILL BE PERMITTED ON ANY OF THE COMPONENTS OF THE CHOKE MANIFOLD AND RELATED EQUIPMENT UPSTREAM OF THE CHOKES. THE CHOKE SPOOL AND ALL LINES AND FITTINGS MUST BE AT LEAST EQUIVALENT TO THE TEST PRESSURE OF THE PREVENTERS REQUIRED. INDEPENDENT CLOSING CONTROL UNIT WITH CLEARLY MARKED CONTROLS TO BE LOCATED ON DERRICK FLOOR NEAR DRILLER'S POSITION.

# MINIMUM BLOWOUT PREVENTER REQUIREMENTS



CASE I: 13 5/8" 1500 PSI NP Annular W/Rotating Head To Be Installed On 13 3/8" Csg

CASE II: 11" 5M PSI Double Rams W/3M PSI Annular To Be Installed On 9 5/8" Csg

CASE III: 7 1/16" 10M PSI Double Ram (Pipe On Top) Above Drilling Spool

7 1/16" 10M PSI Single Ram Below Drilling Spool

7 1/16" 5M PSI Annular W/Rotating Head

10M PSI Choke Manifold W/Remote Kill Line Connection

All To Be Installed On 7" Csg.

## 12-POINT SURFACE USE PLAN OF OPERATIONS

Burlington Resources Oil & Gas Company  
El Paso "14" Federal #1  
K, 1900' FSL & 1850' FWL, Sec. 14, T26S, R30E  
Ross Draw Wolfcamp Gas Field  
Eddy County, New Mexico NM 93207

1. **Existing Roads:** A legible map (USGS topographic, county road, or other such map) labeled and showing the access route to the location, shall be used for locating the proposed well site in relation to a town, village, or other locatable point, such as a highway or county road. All access roads shall be appropriately labeled. Any plans for improvement and/or maintenance of existing roads shall be provided. All roads shall be provided. All roads shall be improved or maintained in a condition the same as or better than before operations. The information provided for use and construction of roads will also be used by BLM for the required Plan of Development for a R/W application as described in Section II C of this Order No. 1.

See Exhibit "A" - topographic land surveyors plat showing existing roads.  
Several other plats are enclosed showing the directions to the location.

2. **Access Roads to be Constructed or Reconstructed:** All permanent and temporary access roads to be constructed or reconstructed in connection with the drilling of the proposed well shall be appropriately identified and submitted on a map or plat. The proposed route to the proposed drill site shall be shown, including distances from the point where the access route exists established roads. All permanent and temporary access roads shall be located and designed to implement the goals of transportation planning and meet applicable standards of the appropriate SMA, and shall be consistent with the needs of the users. Final selection of the route location may be accepted by the SMA as early as the predrill inspection or during approval of the APD.

See Exhibit "A" plat shows 1900' of proposed lease road to be constructed..

3. **Location of Existing Wells:** This information shall be submitted on a map or plat, which includes all recorded wells (water, injection, or disposal, producing, or being drilled) within a 1-mile radius of the proposed location.

See Exhibit "B" - portion of land map showing surrounding wells in area.

- Waste paper, garbage, and junk will be disposed of into a special container on location and removed regularly to an approved landfill site. All waste material will be covered with a screen or lid and contained to prevent scattering by wind.
- All trash and debris will be removed from well site within 30 days after drilling and/or completion operations are finished.

8. **Ancillary Facilities:** All ancillary facilities such as camps and airstrips shall be identified on a map or plat. Information as to location, land area required, and methods to be used in construction shall also be provided.

No Ancillary Facilities are required.

9. **Well Site Layout:** A plat of suitable scale (not less than 1 inch = 50 feet) showing the proposed drill pad, reserve pit location, access road entry points, and its approximate location with respect to topographic features, along with cross section diagrams of the drill pad and the reserve pit showing all cuts and fills and the relation to topography. The plat shall also include the approximate proposed location and orientation of the drilling rig, dikes and ditches to be constructed, and topsoil and/or spoil material stockpiles.

See Exhibit "C". Sketch for the well pad .

10. **Plans for Reclamation of the Surface:** A proposed interim plan for reclamation stabilization of the site and also final reclamation plan shall be provided. The interim portion of the plan shall cover areas of the drillpad not needed for production. The final portion of the plan shall cover final abandonment of the well. The plan shall include, as appropriate, configuration of the reshaped topography, drainage systems, segregation of spoil materials, surface manipulations, redistribution of topsoil, soil treatments, revegetation, and any other practices necessary to reclaim all disturbed areas, including any access roads and pipelines. An estimate of the time for commencement and completion of reclamation operations, including consideration of weather conditions and other local uses of the area, shall be provided.

- After completion of drilling and/or completion of operations, all equipment and other material not needed for operations will be removed. Pits will be filled and locations cleaned of trash and junk to leave well in as aesthetically pleasing a condition as possible.
- Any unguarded pits containing fluids will be fenced until filled.
- After abandonment of well, surface restoration will be in accordance with the Bureau of Land Management Surface Requirements.

11. **Surface Ownership:** The surface ownership (Federal, Indian, State or private) and administration (BLM, FS, BIA, Department of Defense, etc.) at the well location, and of all lands crossed by roads which are to be constructed or upgraded, shall be indicated. Where the surface of the proposed well site is privately owned, the operator shall provide the name, address and telephone number of the surface owner.

Bureau of Land Management  
620 E. Greene Street  
Carlsbad, New Mexico 88220

12. **Other Information:** Type of bond. The operator shall be covered by a bond in its own name as principal, or by a bond in the name of the lessee or sublessee.

Burlington Resources Oil & Gas is covered by a statewide bond.

**Operator's Representatives:**

Field representatives (Responsible for compliance with approved surface use operations plan.)

Burlington Resources Oil & Gas Company  
P.O. Box 837  
Hobbs, NM 88240  
Office: 505-393-5844

Mr. Ed Jackson, Sr. Drilling Foreman  
Artesia, NM  
Home: 505-746-6173  
Mobil: 505-746-7159

Mr. Frank Raybon, Drilling Foreman  
Eunice, NM  
Home: 505-394-2449  
Mobile: 505-369-5367

Jim Kramer, Sr. Staff Drilling Engineer  
P.O. Box 51810  
Midland, TX 79710-1810  
Office: 915-688-6843  
Home: 915-694-2499

Cash Smithwick, Drilling Superintendent  
P.O. Box 51810.  
Midland, TX 79710-1810  
Office: 915-688-9051  
Home: 915-685-7053  
Pager: 915-495-6173

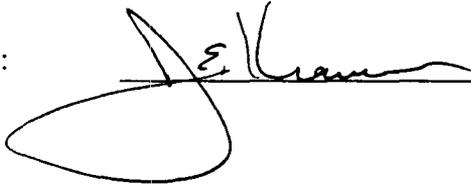
**OPERATORS CERTIFICATION**

I hereby certify that I, **Jim Kramer, Senior Staff Drilling Engineer**, under my direct supervision, have inspected the proposed drill site and access route that I am familiar with the conditions that currently exist; that the statements made in the APD package are, to the best of my knowledge, true and correct, and that the work associated with operations proposed herein will be performed by **not yet determined** contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under BLM **statewide** bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

DATE:                      5-19-98

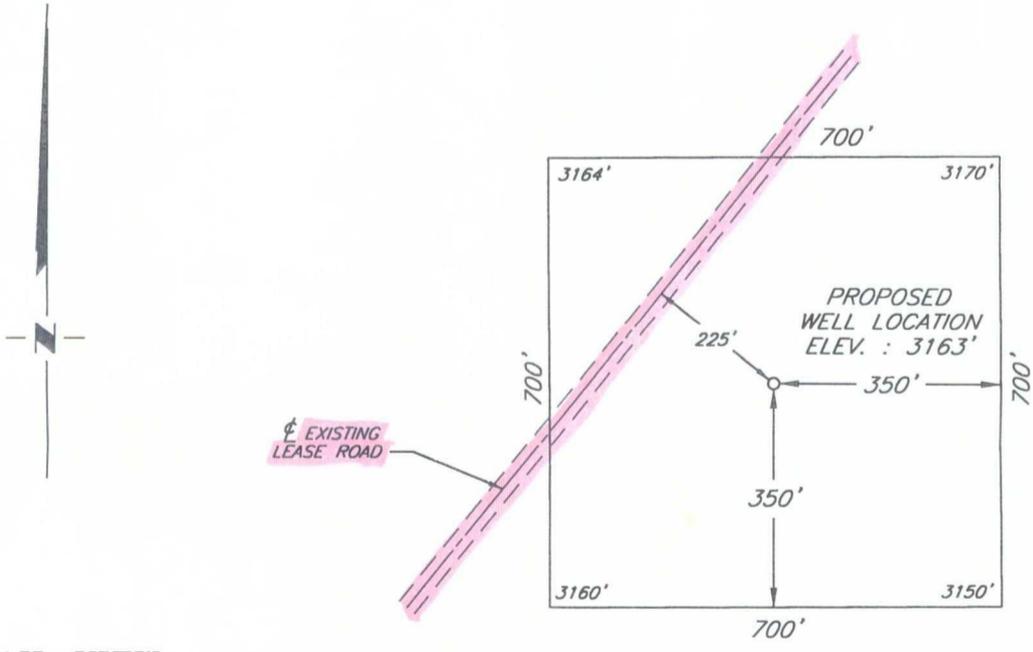
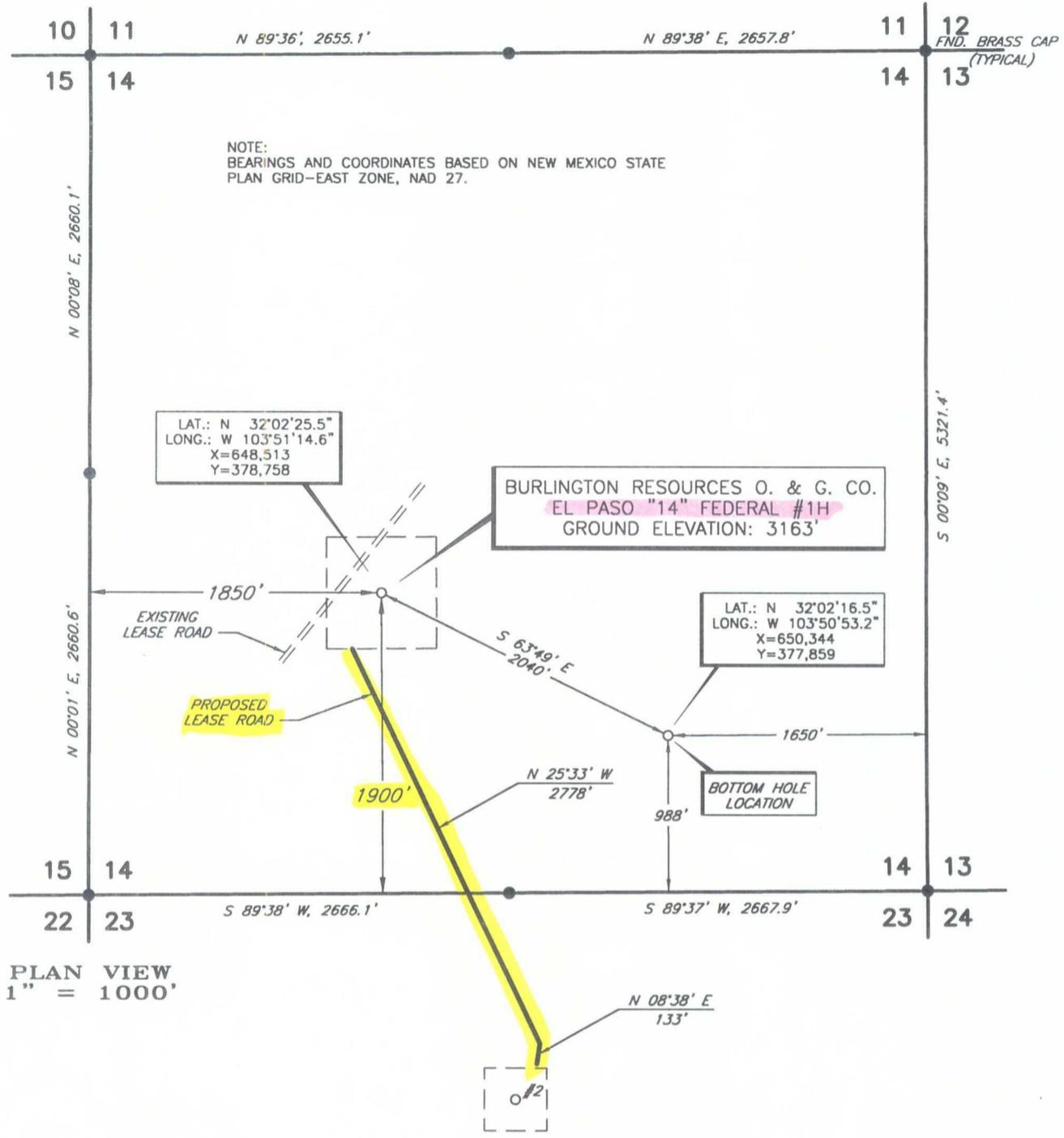
NAME AND TITLE:    Jim Kramer, Senior Staff Drilling Engineer

SIGNATURE:

 \_\_\_\_\_

PLAT SHOWING PROPOSED  
WELL LOCATION AND LEASE ROAD IN  
SECTION 14, T-26-S, R-30-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO

EXHIBIT "A"

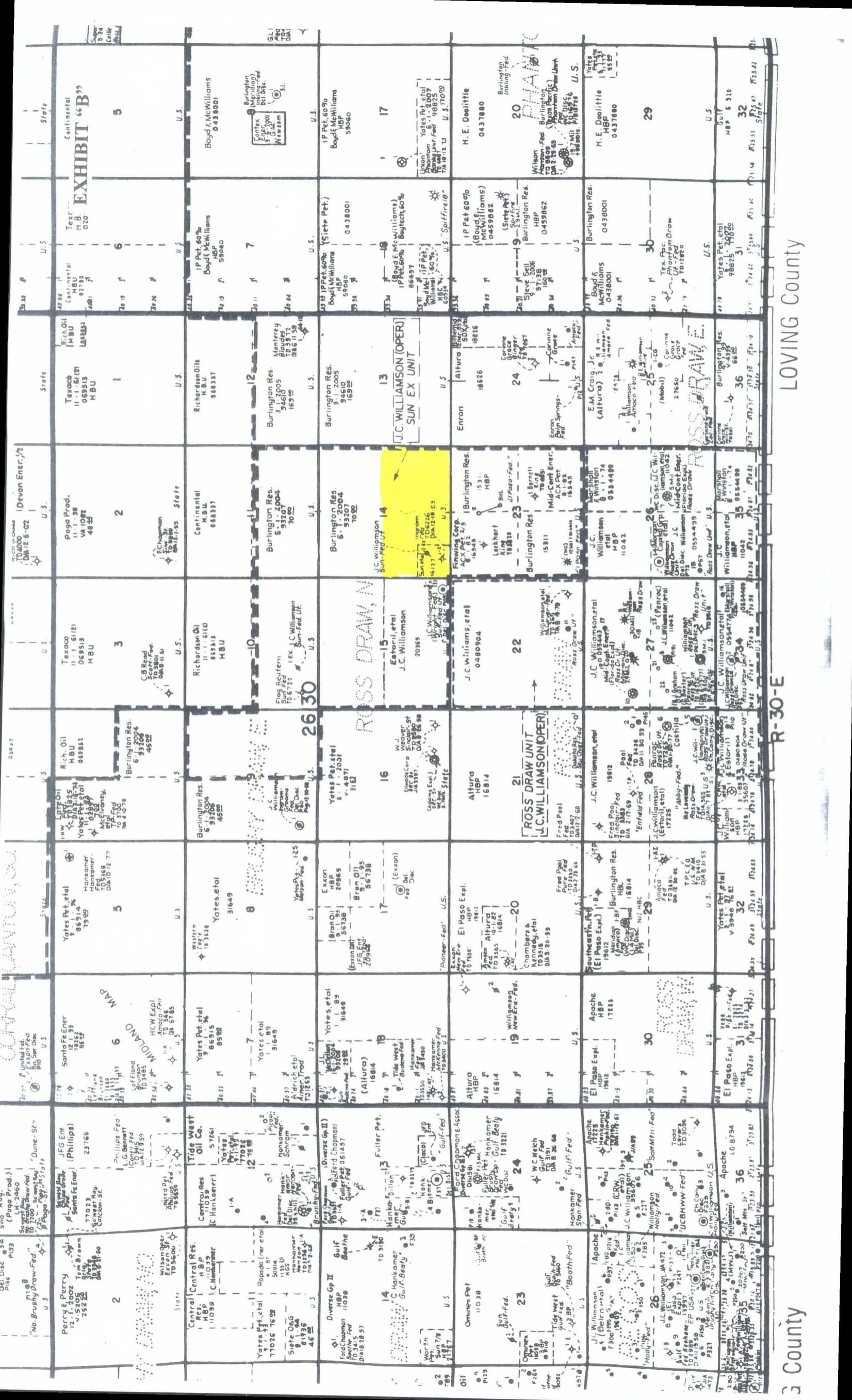


NO.	REVISION	DATE	BY

**BURLINGTON RESOURCES OIL & GAS CO.**

SURVEYING AND MAPPING BY  
**TOPOGRAPHIC LAND SURVEYORS**  
MIDLAND, TEXAS

SCALE:	AS SHOWN
DATE:	APRIL 29, 1998
JOB NO.:	58145-F
	23 SE
SHEET :	1 OF 1



Loving County

R-30-E

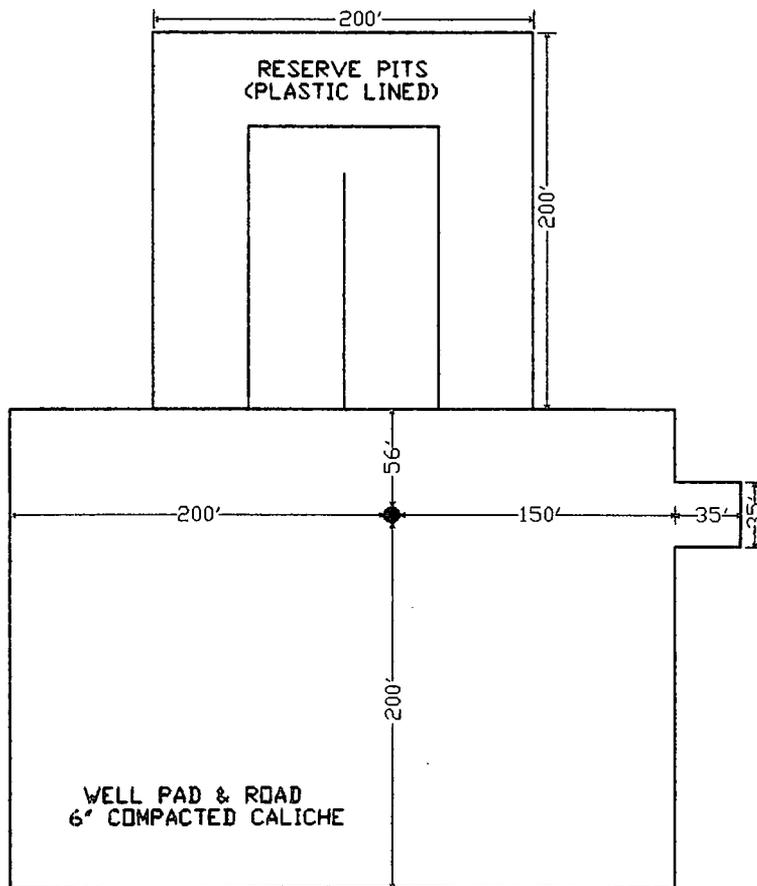
R-30-E

EXHIBIT 'B'

Section	Owner	Address	City/State	Notes
1	Teraco HBU	11-1-81 (H) 069513 HBU	Texas	
2	Poso Prod.	11-1-58 141092 4832	U.S.	
3	Teraco HBU	11-1-81 (H) 069513 HBU	U.S.	
4	Burlington Res.	5-21-2004 7052	U.S.	
5	Yates Pet. et al	86914 7929	U.S.	
6	IP Pet. 60% Boyd & McWilliams HBP	59060	U.S.	
7	IP Pet. 60% Boyd & McWilliams HBP	59060	U.S.	
8	Yates et al	31649	U.S.	
9	Santa Fe Ener	12-1-93 18262 8952	U.S.	
10	Richardson Oil	86913 HBU	U.S.	
11	Richardson Oil	86913 HBU	U.S.	
12	Burlington Res.	3-4-2005 16952	U.S.	
13	J.C. WILLIAMSON (OPER) SUN EX UNIT		U.S.	
14	Burlington Res.	5-1-2004 7052	U.S.	
15	Estarr, et al	20889	U.S.	
16	Yates Pet. et al	86914 7929	U.S.	
17	Yates et al	31649	U.S.	
18	IP Pet. 60% Boyd & McWilliams HBP	59060	U.S.	
19	Williamson	16814	U.S.	
20	H. E. Deeltite	0437800	U.S.	
21	Altura HBP	16814	U.S.	
22	J.C. Williams, et al	0480904	U.S.	
23	Omnes Pet	11038	U.S.	
24	W.C. Welch	16360	U.S.	
25	Williamson	16360	U.S.	
26	Central Res. HBP	11038	U.S.	
27	J.C. Williamson, et al	11042	U.S.	
28	Enfield Fed.	17225	U.S.	
29	H. E. Deeltite	0437800	U.S.	
30	Yates et al	31649	U.S.	
31	Yates et al	31649	U.S.	
32	Yates et al	31649	U.S.	
33	Yates et al	31649	U.S.	
34	Yates et al	31649	U.S.	
35	Yates et al	31649	U.S.	
36	Yates et al	31649	U.S.	

EXHIBIT "C"

BURLINGTON RESOURCES OIL & GAS COMPANY  
MID-CONTINENT DIVISION  
DRILL WELL LOCATION SPECIFICATIONS  
EL PASO 14 FEDERAL #1H

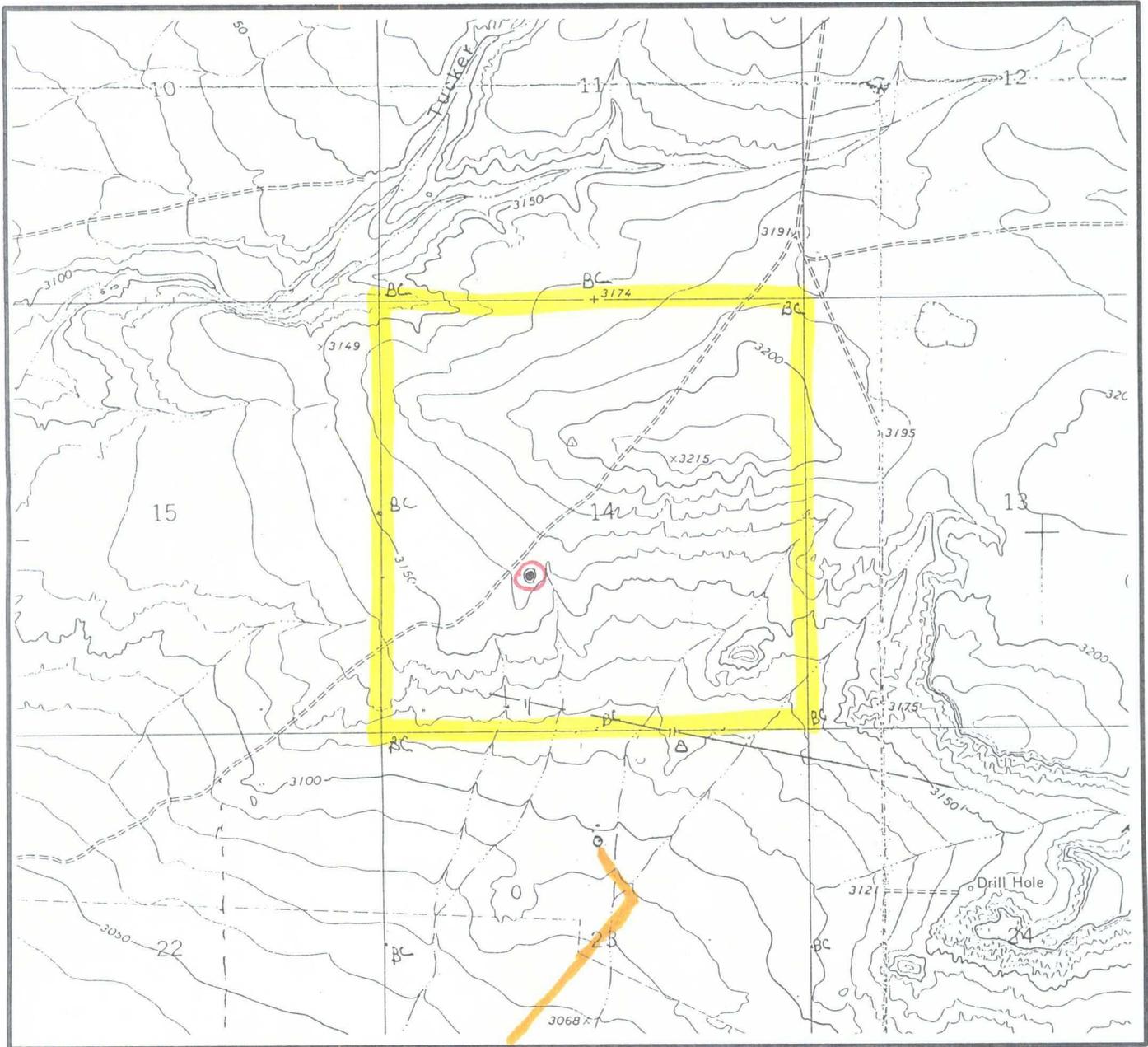


LOCATION ENTRANCE

700' x 700' WELL SITE

DWG#: LDCPLT

# LOCATION & ELEVATION VERIFICATION MAP



SCALE : 1" = 2000'

CONTOUR INTERVAL 10'

SECTION 14 TWP 26-S RGE 30-E  
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN  
 COUNTY EDDY STATE NM  
 DESCRIPTION 1900' FSL & 1850' FWL  
 ELEVATION 3163'

OPERATOR BURLINTON RESOURCES OIL & GAS CO.  
 LEASE EL PASO "14" FEDERAL #1H

U.S.G.S. TOPOGRAPHIC MAP  
PHANTOM BANKS, NEW MEXICO

LAT. N 32°02'25.5"  
 LONG. W 103°51'14.6"



This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.

Review this plat and notify us immediately of any possible discrepancy.

## TOPOGRAPHIC LAND SURVEYORS

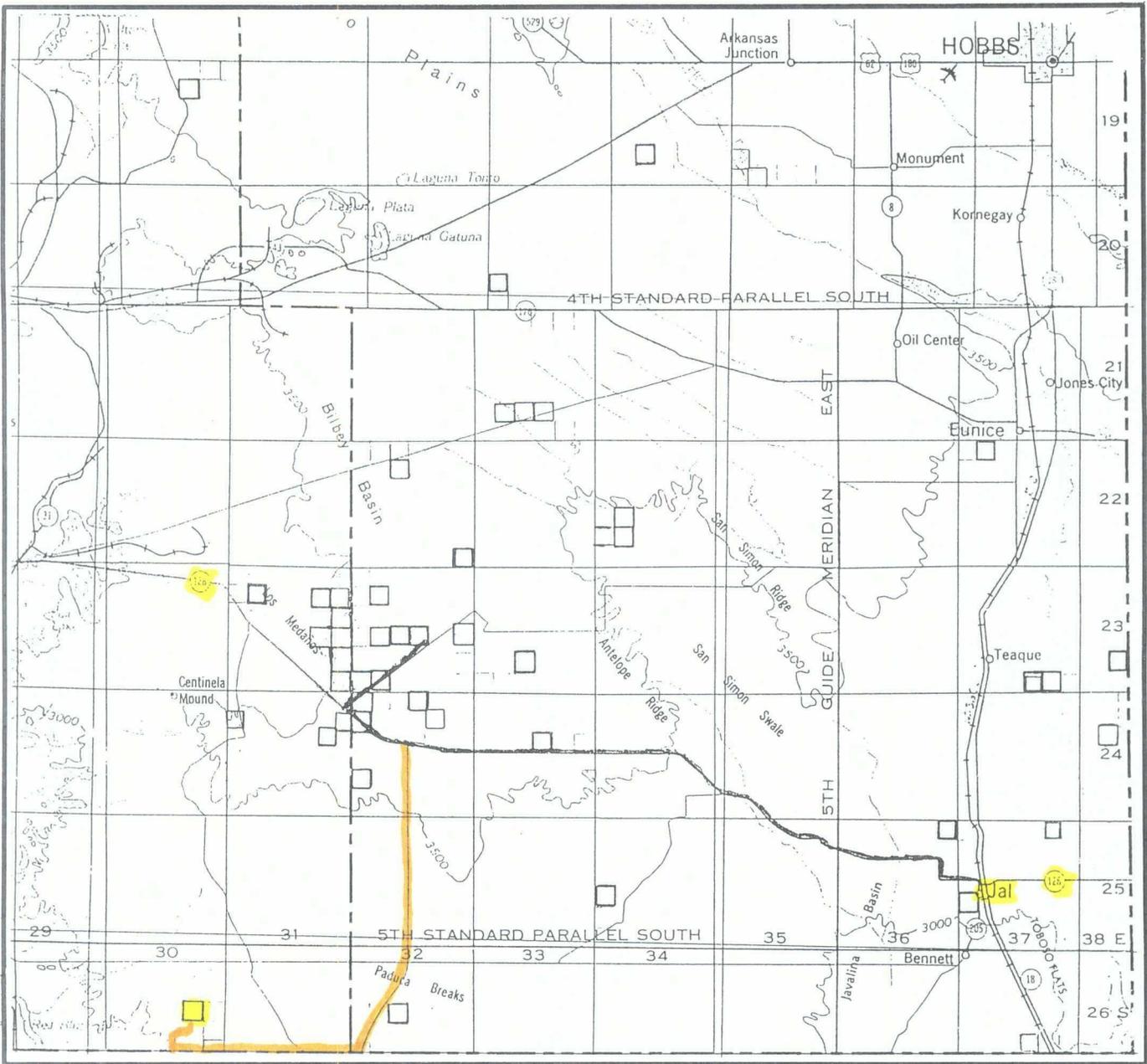
*Surveying & Mapping for the Oil & Gas Industry*

1307 N. HOBART  
 PAMPA, TX. 79065  
 (800) 658-6382

6709 N. CLASSEN BLVD.  
 OKLAHOMA CITY, OK. 73116  
 (800) 654-3219

2903 N. BIG SPRING  
 MIDLAND, TX. 79705  
 (800) 767-1653

# VICINITY MAP



SECTION 14 TWP 26-S RGE 30-E  
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN  
 COUNTY EDDY STATE NM  
 DESCRIPTION 1900' FSL & 1850' FWL

OPERATOR BURLINGTON RESOURCES OIL & GAS CO.  
 LEASE EL PASO "14" FEDERAL #1H

DISTANCE & DIRECTION FROM THE JCT. OF STATE HWY.  
128 & CO. RD. C-1, ±30 MILES WEST OF JAL, GO SOUTH  
±15 MILES ON CO. RD. C-1, THENCE WESTERLY ±8.5  
MILES ON STATE LINE ROAD, THENCE NORTHERLY 0.6 MILE  
MILE ON LEASE ROAD, THENCE EASTERLY 0.3 MILE, THENCE  
NORTHEASTERLY 0.6 MILE PAST WELL #1, THENCE NORTH-  
WESTERLY 0.1 MILE ON LEASE ROAD TO EXISTING WELL #2  
AND A POINT ±3000' SOUTH SOUTHEAST OF THE LOCATION.



This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.

Review this plot and notify us immediately of any possible discrepancy.

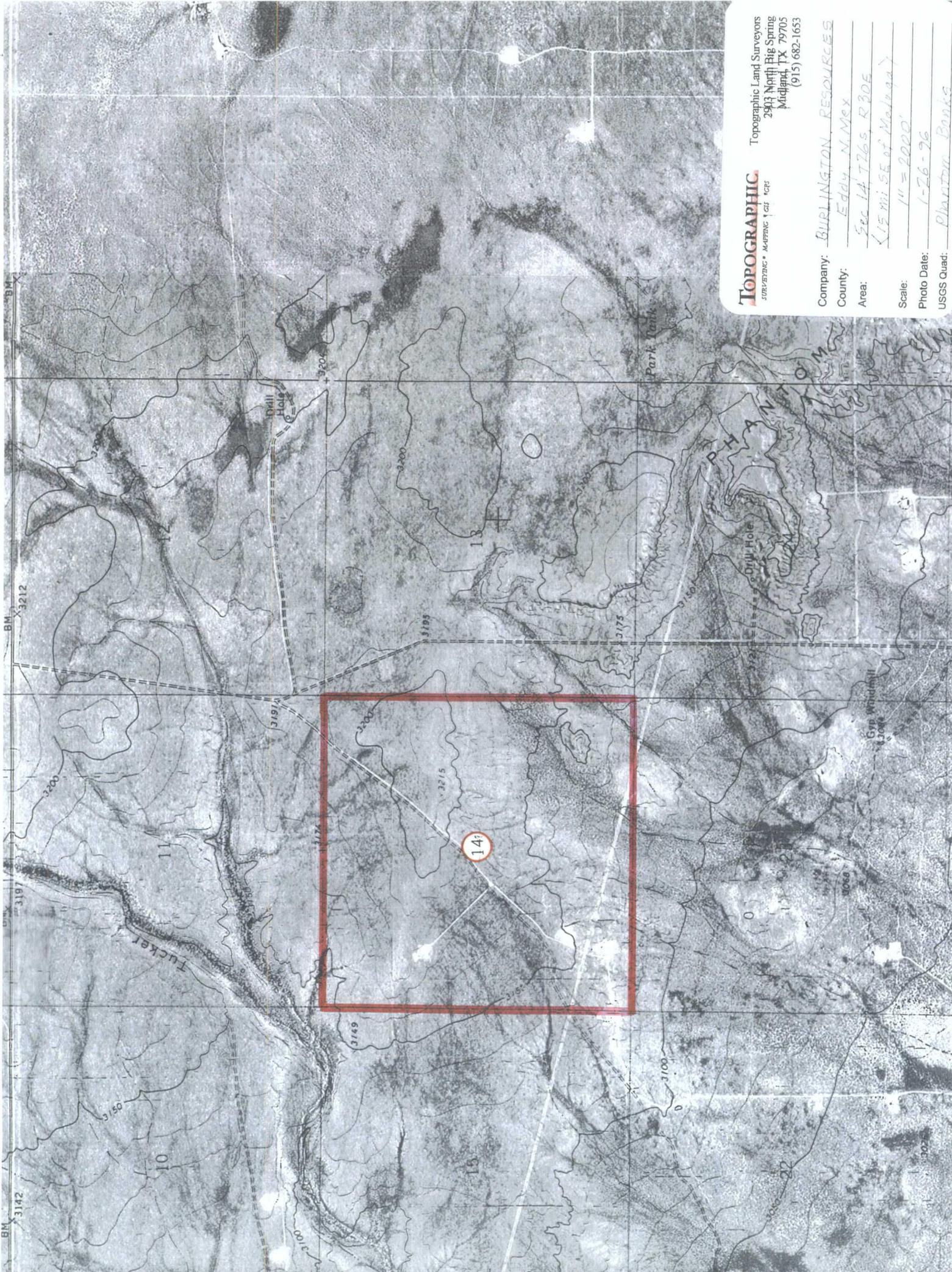
## TOPOGRAPHIC LAND SURVEYORS

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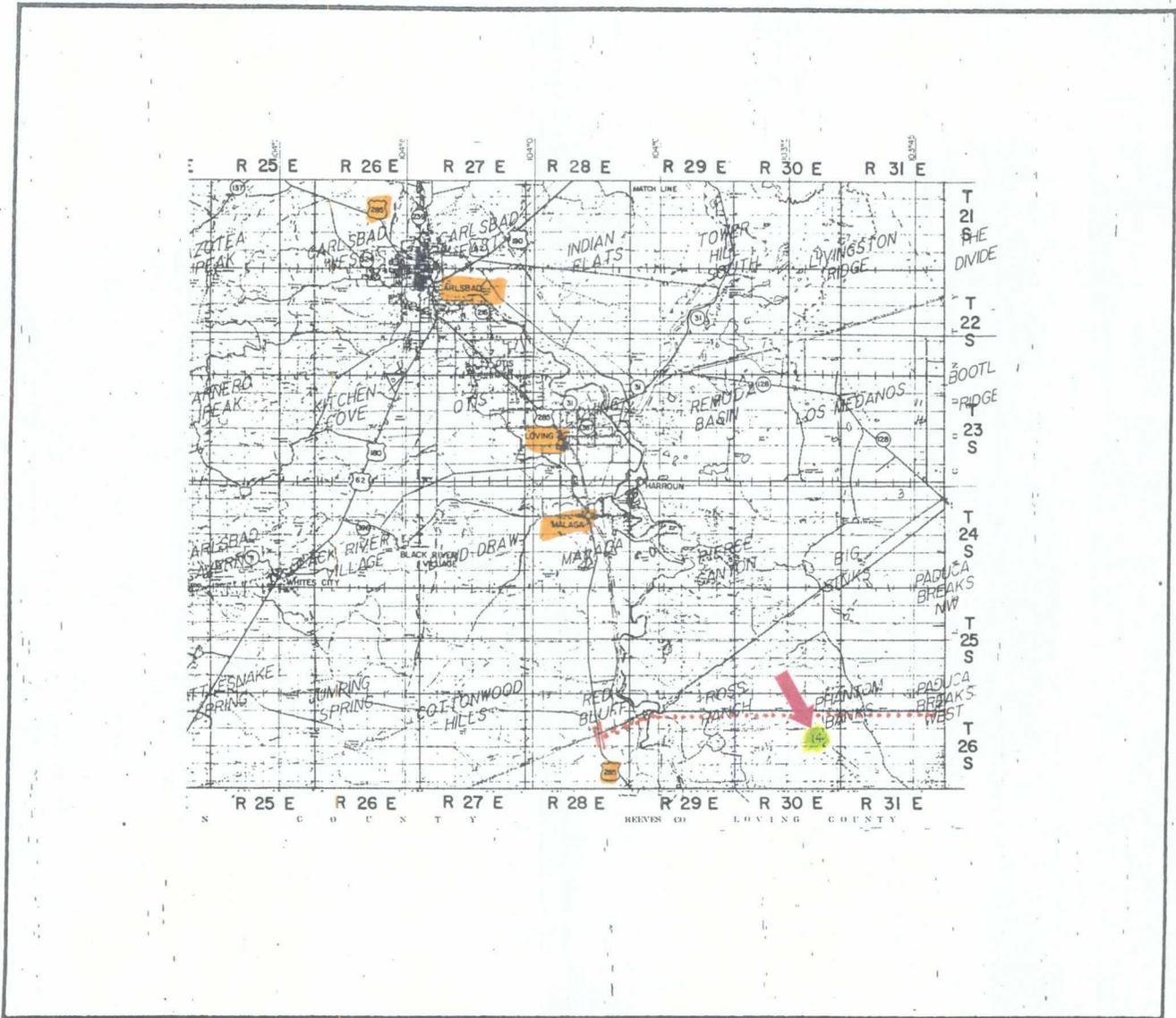


**TOPOGRAPHIC**  
SURVEYING • MAPPING • GIS • GPS

Topographic Land Surveyors  
2903 North Big Spring  
Midland, TX 79705  
(915) 682-1653

Company: BURLINGTON RESOURCES  
County: Eddy, N.MEX  
Area: Sec 14 T26S, R30E  
(15 mi SE of Malaga)  
Scale: 1" = 2000'  
Photo Date: 1-26-96  
USGS Quad: Phanton, Banks

# VICINITY MAP



Description Sec 14, T 26 S, R 30 E  
Eddy, N. Mex. County, Texas  
 Operator BURLINGTON RESOURCES  
 Lease Name & Well No. \_\_\_\_\_  
 Remarks: \_\_\_\_\_  
15 mi SE of Malaga  
 \_\_\_\_\_  
 \_\_\_\_\_

Scale in Miles:  
 1" = 4 miles

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.

Review this plat and notify us immediately of any possible discrepancy.

## TOPOGRAPHIC LAND SURVEYORS

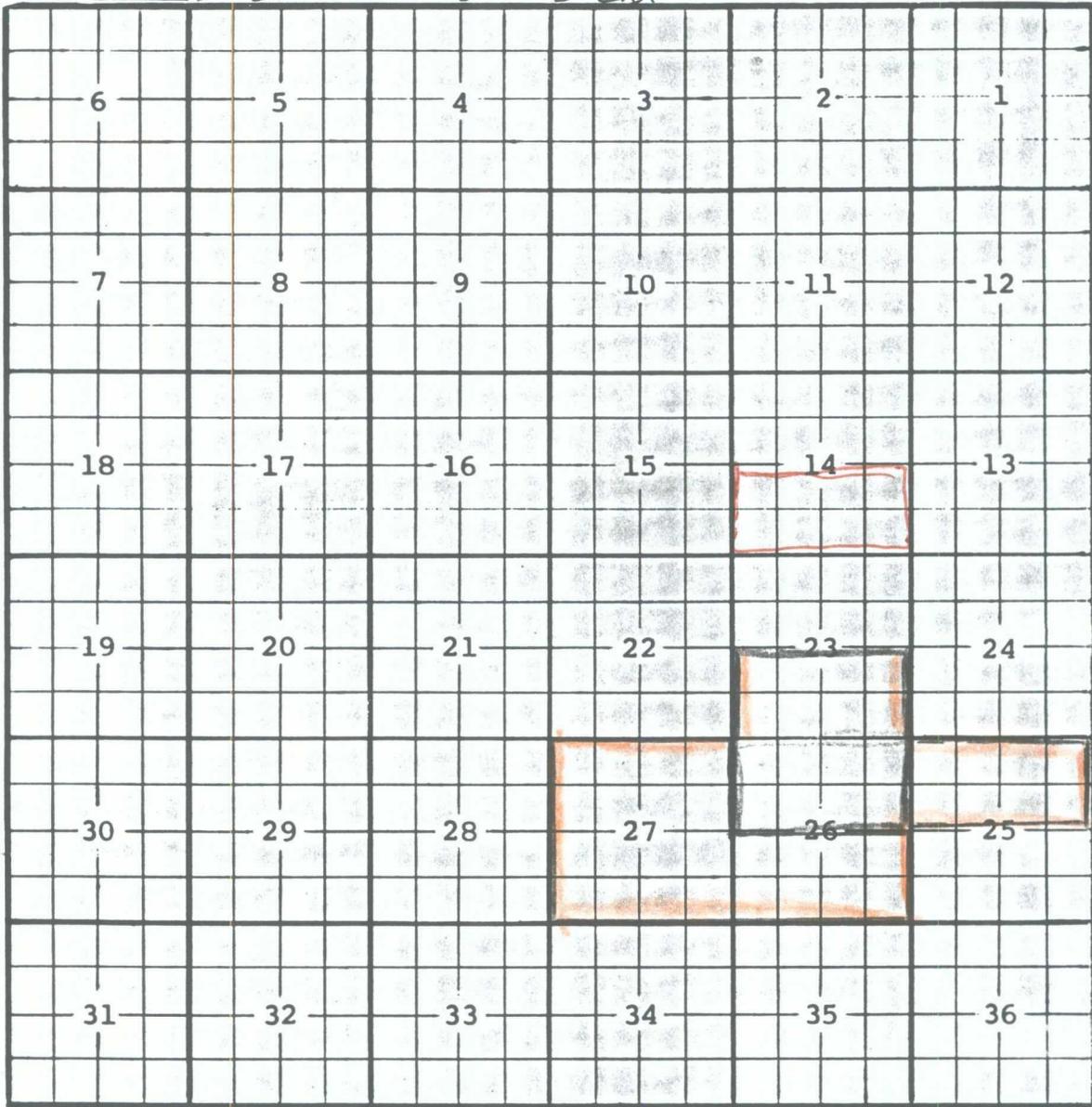
(915) 682-1653 / (800) 767-1653

2903 N. Big Spring Street

Midland, TX 79705

County Eddy Pool ROSS DRAW - WOLF CAMP GAS

TOWNSHIP 26 South Range 30 EAST NMPM



Description :  $\frac{1}{2}$  Sec. 26, All Sec. 27 (R-6328, 5-1-80)  
Ext: Sec. 23  $\frac{1}{2}$ , Sec. 26  $\frac{1}{2}$  (R-7076-9-27-82)  
Ext:  $\frac{1}{2}$  sec. 25 (R-8257, 7-8-86)