State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
	39360	Livingston Ridge; Delaware

Property Code	Property Name	Well Number
	NEFF 13 FEDERAL	18

OGRID No.	Operator Name	Elevation
4323	CHEVRON U.S.A. INC.	3566'

Surface Location

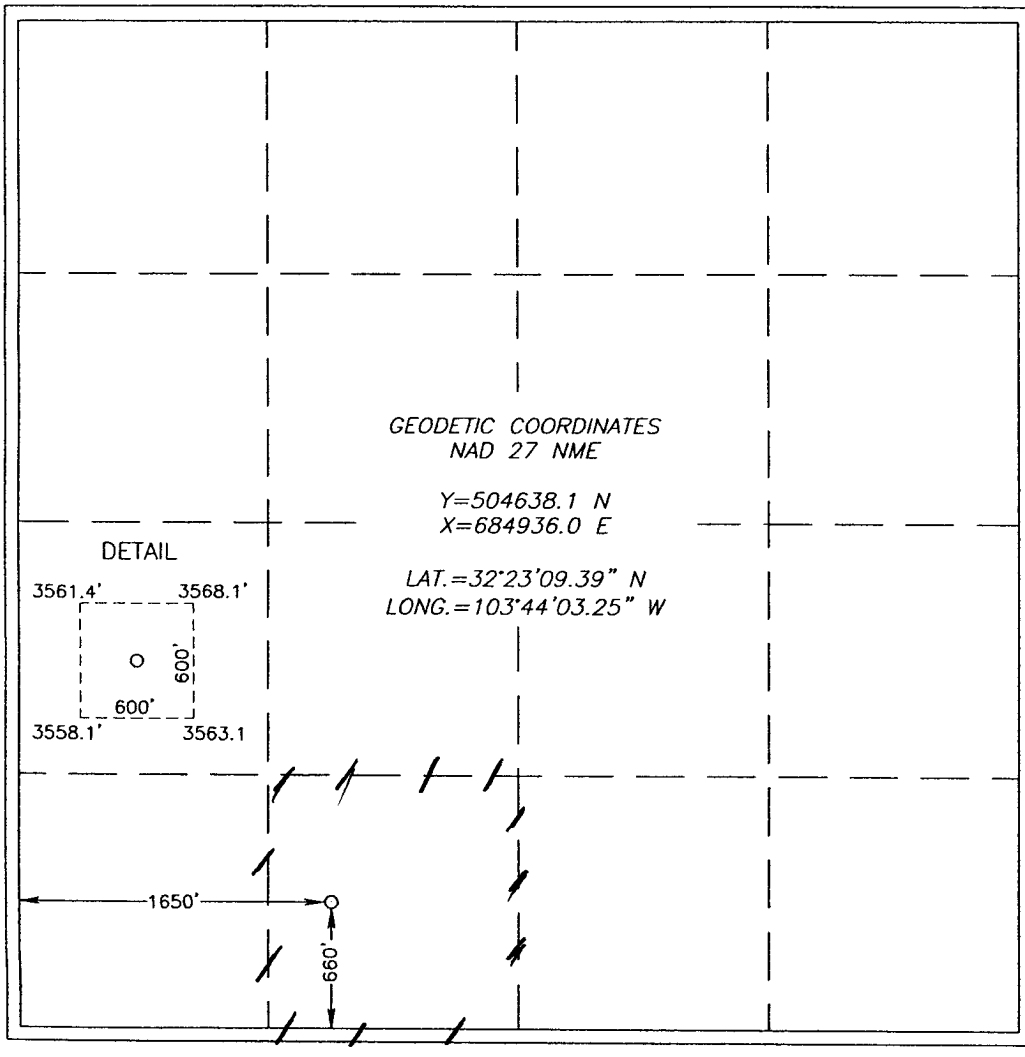
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	13	22-S	31-E		660	SOUTH	1650	WEST	EDDY

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.

Denise Pinkerton
Signature

Denise Pinkerton
Printed Name

Regulatory Specialist
Title

11-15-05
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.

JULY 14, 2005
Date Surveyed GS

Signature & Seal of Professional Surveyor

GARY G. EIDSON
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR

7/25/05

05.11.1039

Certificate No. GARY EIDSON 12641

PROPOSED DRILLING PROGRAM

Neff 13 Federal #18

Section 13

Township 22 South

Range 31 East

Eddy County, New Mexico

Surface Location: 660' FSL, 1650' FWL

Prepared By:	**Ray Matthews** **November 7, 2005**
WBS Number:	**TBD**
API Number:	**TBD**
Chevno:	**TBD**

Table of Contents

DIRECTIONS

TBD.

PROPOSED WORK

SURFACE HOLE:

1. Call the 1-800 dig number and notify BLM (505-234-5972) 3 working days prior to building location. Build location and cellar prior to moving in rotary tools. Have reserve pits lined and filled with water. A fresh water well should be located and utilized for fresh water as opposed to trucking. Set a 20" cemented conductor at ±40'.

2. Move in and rig up rotary tools. Install gas buster as flows in one of the offsets was encountered at 3305'. Conduct safety meeting with rig personnel. Post drilling permit and emergency response plan in the dog house. Notify the BLM and OCD of intent to spud.

3. Pick up a 17-1/2" bit, bit sub, shock sub, 6-8" collars, and 18-6" collars (slick BHA). Deviation is not expected to be a problem. Inclinations less than one degree are common.

4. Spud well utilizing fresh water as the drilling fluid. Circulate the reserve pit for solids control. It is imperative that brine, oil, or other contaminants not be introduced into the surface hole. The main purpose of this hole is to protect fresh water sands.

5. Drill a 17-1/2" hole to 800'. Possible air pockets in the lower portion of this hole section. Run 13-3/8" casing as follows:

   a) Guide shoe
   b) 1 joint 13-3/8", 48 ppf, H-40, STC casing
   c) Insert float
   d) ±760', 13-3/8", 48 ppf, H-40, STC casing

   Centralize the bottom three joints and every fourth joint thereafter.

   Threadlock the field and mill ends of the bottom three joints and all float equipment.

   Inspection: None

6. Circulate casing capacity or annular volume, whichever is greater. Cement in accordance with attached cementing summary. Displace cement with fresh water utilizing wiper plug. Displace to within ±40' of shoe. Check float. If

float fails, shut in for a minimum of four hours. If cement does not circulate, will need to run temperature survey, notify BLM and 1" back to surface.

7. Cut off casing. Install casing (starting) head. Test starting head to ±385 psi (50% of collapse rating).

8. Nipple up BOP stack. Test BOPE to 250 psi low for 5 minutes, 1000 psi high for 30 minutes. Test casing to 1000 psi for 30 minutes. Test choke manifold to 250 psi low for 10 minutes, 3000 psi high for 10 minutes.

9. Install H_2S detection equipment prior to drilling out. This equipment will remain on location until the rig is released. Equipment to include warning signs, windsocks, and detectors at the cellar, at the rotating head, at the flow line and on the floor.

INTERMEDIATE HOLE:

1. Trip in hole with an 11" bit, shock sub, 2-8" drill collars, IBS, 8" drill collar, IBS, 5-8" drill collars, and 24-6" drill collars. Tag cement.

2. Drill an 11" hole to a TD depth of 4450'. Brine water will be utilized as the drilling fluid, circulating the reserve pit for solids removal to this depth. Water flows with H2S are possible from 3300' to 4450'. Deviation increases are possible from 3600' – 4450'.

3. Take TOTCO surveys every 500' to 3300' then every 350' to 4450' (or adjust accordingly in an attempt to keep deviation below 3.0°). It is recommended that the WOB be reduced while drilling below 3100' until deviation is repeatedly kept below 3.0°.

4. Run casing as follows:

   a) Guide shoe
   b) ±45' (1 joint) 8-5/8", 32 ppf, J-55, LTC
   c) Float collar
   d) ±4405', 8-5/8", 32 ppf, J-55, LTC

   Centralize the bottom three joints. Threadlock the field and mill ends of the bottom three joints and all float equipment.

   Inspection: BCI and drift

5. Circulate casing capacity or annular volume, whichever is greater. Cement in accordance with attached cementing summary. Displace cement with fresh water utilizing wiper plug. Displace to within ±40' of shoe. Check float. If

float fails, shut in for a minimum of four hours. If cement fails to circulate, will need to run temperature survey, notify BLM and 1" back to surface.

6. Cut off casing. Install B-Section casing head. Test head to ±1265 psi (50% of collapse rating).

7. Nipple up BOP stack. Test BOPE to 250 psi low for 10 minutes, 3000 psi high for 10 minutes. Test annular to 250 psi low for 10 minutes, 1500 psi high for 10 minutes. Test casing to 2000 psi for 30 minutes.

PRODUCTION HOLE:

1. Allow 24 hours of WOC following bumping the plug prior to drilling out. Trip in hole with a 7-7/8" bit, bit sub, 2-6" drill collars, IBS, 6" drill collar, IBS, and 28-6" drill collars. Tag cement. Rig up mud loggers to have ready when drilling out of shoe.

2. Drill a 7-7/8" hole to 8500'. Fresh water will be utilized as the drilling fluid. Water flows are possible in this section of the hole as well as lost circulation from 7200' – 8200'.

3. Condition hole and trip out and run open hole logs.

4. Trip in hole and condition for casing; trip out of hole laying down.

5. Run casing as follows (maximum over pull is 70,000 pounds):

   a) Float shoe
   b) ±45' (1 joint) 5-1/2", 17 ppf, J-55, LTC
   c) Float collar
   d) ±2155', 5-1/2", 17 ppf, J-55, LTC
   e) ±200', 5-1/2", 15.5 ppf, J-55, LTC
   f) DV tool at ±6100' from surface
   g) ±2400', 5-1/2", 15.5 ppf, J-55, LTC
   h) DV tool at ±3700' from surface
   i) ±1700', 5-1/2", 15.5 ppf, J-55, LTC
   j) ±2000', 5-1/2", 17 ppf, J-55, LTC

   Include short joint in the string at ±7000'. Centralize the bottom three joints and across any potential pay. Threadlock the field and mill ends of the bottom three joints and all float equipment.

   Inspection: BCI and drift

15. Cement in accordance with attached cementing summary.

16. Set slips with weight as cemented. Cut off casing. Install permanent 11" 3000 psi X 7-1/16" 3000 psi tubing head. Test seal to 50% of collapse rating.

17. Release rig. Rig down and move out rotary tools.

POTENTIAL PROBLEMS

Surface Hole:

Air blows possible around 600'.

Intermediate Hole:

Air pockets may be encountered in the shallow portion of the hole below surface.

Possible strong water flows with sour gas at ±3300'.

Deviation at 3600' to 4450'.

Production Hole:

Rig up H2S safety equipment prior to drilling out the 13-3/8" shoe. Maintain pH at 10+ and treat with H2S scavenger.

Possible water flows at ±6000'.

Possible lost circulation at 7200' to 8200'.

MUD PROGRAM

Interval	Type	Weight (ppg)	Vis. (sec/qt)	Fluid Loss (cc)	Remarks
Surf to 800'	Fresh Wtr.	8.6	32	No control	Circulate reserve
800' to 4450'	Brine	10	29	No control	Circulate reserve
4450' to 8500'	Fresh Wtr.	8.5-9.2	28 – 45	NC to 12	Circulate reserve

When circulating the reserve, it is a good practice to switch to the steel pits for one hour each tour to monitor gains/losses. Mud up to a starch/PAC system from 8000' to TD.

EVALUATION PROGRAM

Mud Logging:

A two man unit will be rigged up at 4450' and utilized to total depth.

Open Hole Logs:

Platform Express Litho-Density/NGT, Induction log from TD to intermediate casing point.

Sidewall cores are a possibility.

SURFACE CEMENTING PROGRAM

Cement with 950 sacks Class "C" with 2% $CaCl_2$.

Minimum waiting on cement time: 12 hours

Cement properties:

Slurry weight: .....14.8 ppg

Slurry yield: ..... 1.34 ft^3 per sack

Cement must circulate to surface. If cement does not circulate, run a temperature survey six to eight hours after cementing. Contact the BLM and OCD and the Midland office for proper procedure to bring cement to surface. Normal procedure is to run one inch tubing down the annulus to top of cement, therefore one inch tubing should be on location or readily available.

Cement volume is based on 17-1/2" by 13-3/8" annular volume plus 135% excess.

INTERMEDIATE CEMENTING PROGRAM

Cement with 1100 sacks 35/65 pozmix Class "H" with 6% gel, 5% salt, 1/4 lb. cellophane flakes followed by 200 sacks Class "H" neat.

Minimum waiting on cement time: 12 hours

Cement properties:

Slurry weight: (lead).....12.8 ppg
(tail)..... 15.6 ppg

Slurry yield: (lead).....1.94 ft^3 per sack
(tail)..... 1.18 ft^3 per sack

Cement must circulate to surface. If cement does not circulate, run a temperature survey six to eight hours after cementing. Contact the BLM and OCD and the Midland office for proper procedure to bring cement to surface. Normal procedure is to run one inch tubing down the annulus to top of cement, therefore one inch tubing should be on location or readily available.

Cement volume is based on 11" by 8-5/8" annular volume plus 110% excess.

PRODUCTION CEMENTING PROGRAM

Place bomb type DV tool at ±6100' and ±3700'.

Cement first stage with 20 bbl of CW100 followed by 625 sacks of 50/50 pozmix Class "H" with 2% gel, 5% salt, 0.2% retarder and 1/4 lb. cellophane flakes. Circulate four to six hours between stages unless it is determined that this would be non-productive time considering the lost circulation during drilling operations.

Cement second stage with 360 sacks of 35/65 pozmix Class "H" with 6% gel, 5% salt, 1/4 lb. cellophane flakes followed by 115 sacks of 50/50 pozmix Class "H" with 2% gel, 5% salt, 1/4 lb. cellophane flakes.

Cement third stage with 360 sacks of 35/65 pozmix Class "H" with 6% gel, 5% salt, 1/4 lb. cellophane flakes followed by 50 sacks of 50/50 pozmix Class "H" with 2% gel, 5% salt, 1/4 lb. cellophane flakes.

Cement Properties:

First Stage	All
Slurry Weight	14.2 ppg
Slurry Yield	1.35 cu-ft/sx

Second and Third Stage	Lead	Tail
Slurry Weight	12.4 ppg	14.2 ppg
Slurry Yield	2.17 cu-ft/sx	1.35 cu-ft/sx

1st Stage: Cement volume based on 7-7/8" open hole by 5-1/2" annular volume plus 100% excess. Do not adjust downward as this is the amount of cement needed to circulate off the DV tool in this area (if caliper plus 35% is yields more cement, adjust upward).

2nd Stage: Cement volume based on 7-7/8" open hole by 5-1/2" annular volume plus 125% excess. Adjust lead cement volumes to yield caliper plus 35% excess in open hole and 15% in cased hole.

3rd Stage: Cement volume based on 8-5/8" casing by 5-1/2" annular volume plus 30% excess.

Cement is designed to circulate to surface. If cement does not circulate, run a temperature survey to determine top of cement.

CASING SUMMARY

SURFACE:

800', 13-3/8", 48 ppf, H-40, STC

INTERMEDIATE:

4450', 8-5/8", 32 ppf, J-55, LTC

PRODUCTION:

2000', 5-1/2", 17 ppf, J-55, LTC on top
4300', 5-1/2", 15.5 ppf, J-55, LTC in middle
2200', 5-1/2", 17 ppf, J-55, LTC on bottom
DV tools @ 6100' and 3700'

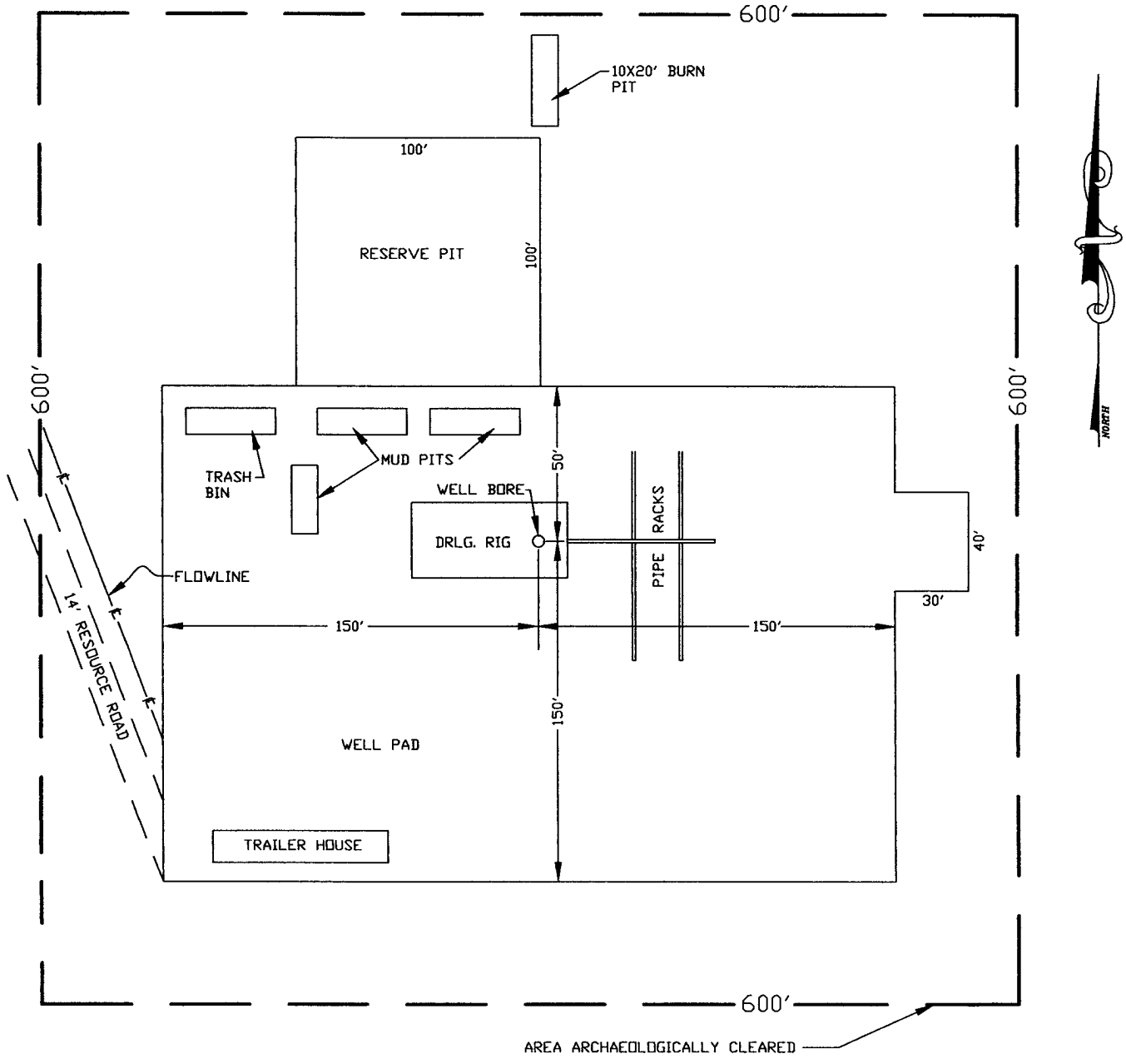
TUBING:

8400', 2-7/8", 6.5 ppf, J-55, EUE

CASING PROPERTIES

	BURST		COLLAPSE		Test
	Rated	(80%)	Rated	(80%)	Pressure
13-3/8", 48 ppf, H-40, STC	1730	1380	770	610	500
8-5/8", 32 ppf, J-55, LTC	3930	3140	2530	2020	1500
5-1/2", 17 ppf, J-55, LTC	5320	4255	4910	3925	2000
5-1/2", 15.5 ppf, J-55, LTC	4810	3845	4040	3230	2000
2-7/8", 6.5 ppf, J-55, EUE	7260	5808	7680	6144	

SECTION 13, TOWNSHIP 22 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

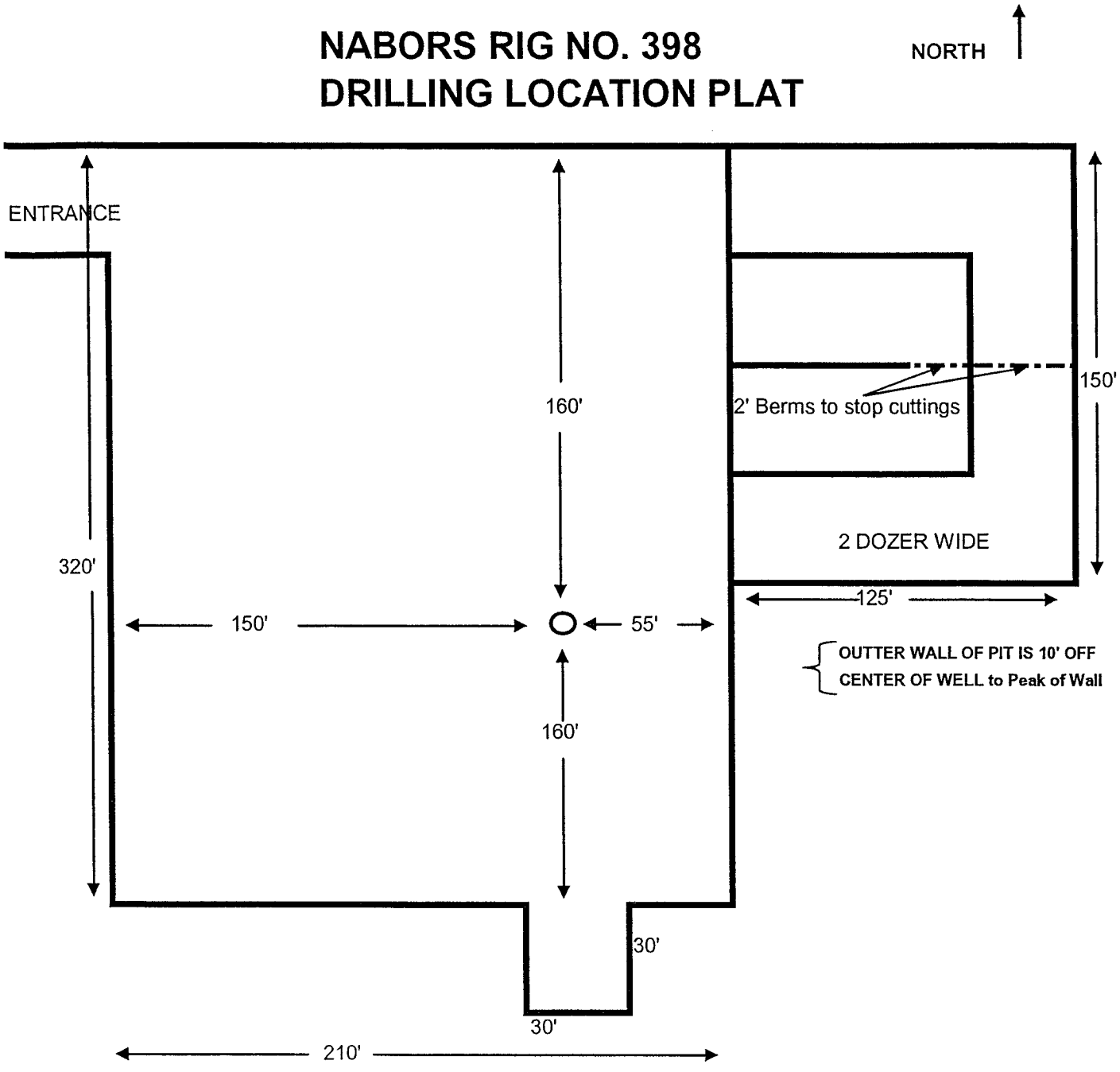


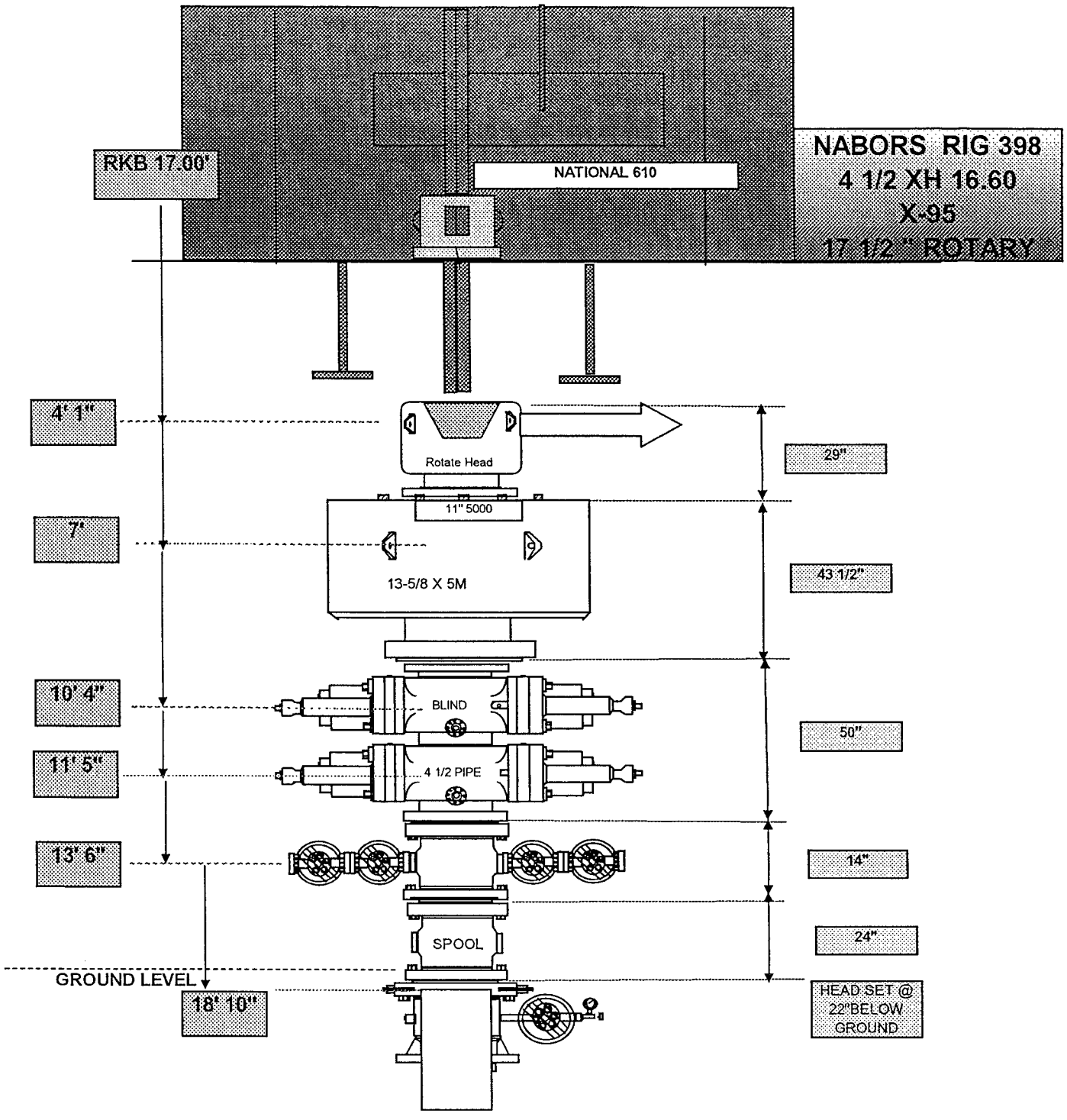
CHEVRON U.S.A. INC.

EXHIBIT "B"
DRILLING RIG LAYOUT
CHEVRON U.S.A. INC.
NEFF 13 FEDERAL #18
660' FSL & 1650' FWL SECTION 13
T22S, R31E, NMPM., EDDY CO., NM.

Survey Date: 7/14/05		Sheet 1 of 1 Sheets	
W.O. Number: 05.11.1575		Drawn By: L.A.	
Date: 10/20/05	DISK: CD#2	05111575	SCALE: NONE

NABORS RIG NO. 398
DRILLING LOCATION PLAT

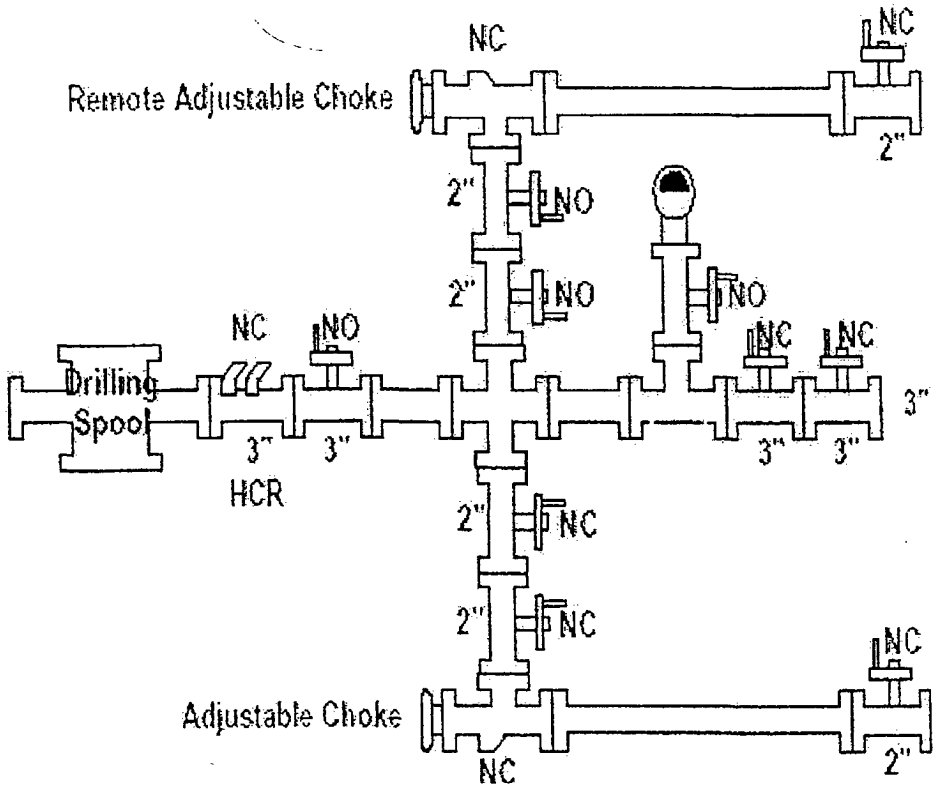




ANNULAR = HYDRIL 13 5/8" 5M
DOUBLE = SHAFFER 13 5/8" 5M
WELL HEAD = 13 5/8" 3M
KILL LINE VALVES = 2.1/16 5M
CHOKE LINE VALVE = 4 1/16 5M

5000 psi rated equipment

NO	Normally Open
NC	Normally Closed



H2S DRILLING OPERATIONS PLAN

I. HYDROGEN SULFIDE TRAINING

All contractors and subcontractors employed by Chevron U.S.A. Inc. will receive or have received training from a qualified instructor within the last twelve months in the following areas prior to commencing drilling operations on this well.

1. The hazards and characteristics of hydrogen sulfide (H2S)
2. Safety precautions
3. Operations of safety equipment and life support systems

In addition, Chevron supervisory personnel will be trained or prepared in the following areas:

1. The effect of H2S on metal components in the system. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.

2. Corrective action and shut-down procedures when drilling or working a well, blowout prevention and well control procedures, if the nature of work performed involves these items.

3. The contents and requirements of the contingency plan when such plan is required.

All personnel will be required to carry documentation of the above training on their person.

II. H2S EQUIPMENT AND SYSTEMS

1. Safety Equipment

   The following safety equipment will be on location.

   A. Wind direction indicators as seen in attached diagram.
   B. Automatic H2S detection alarm equipment (both audio and visual).
   C. Clearly visible warning signs as seen on the attached diagram. Signs will use the words "POISON GAS" and "CAUTION" with a strong color contrast.
   D. Protective breathing equipment will be located in the dog house and at the briefing areas as seen in the attached diagram.

2. Well Control Systems

A. Blowout Prevention Equipment
Equipment includes but is not limited to:

a. pipe rams to accommodate all pipe sizes
b. blind rams
c. choke manifold
d. closing unit

Auxiliary equipment added as appropriate includes:

a. annular preventor	N/A
b. rotating head	N/A
c. mud-gas separator	N/A
d. flare line and means of ignition	N/A
e. remote operated choke	N/A

B. Communication

The rig contractor will be required to have a two-way communication capability. Chevron U.S.A. Inc. will have either land-line or mobile telephone capabilities.

C. Mud Program

The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers when appropriate will minimize hazards when penetrating H2S bearing formations.

D. No Drill Stem Tests are planned.

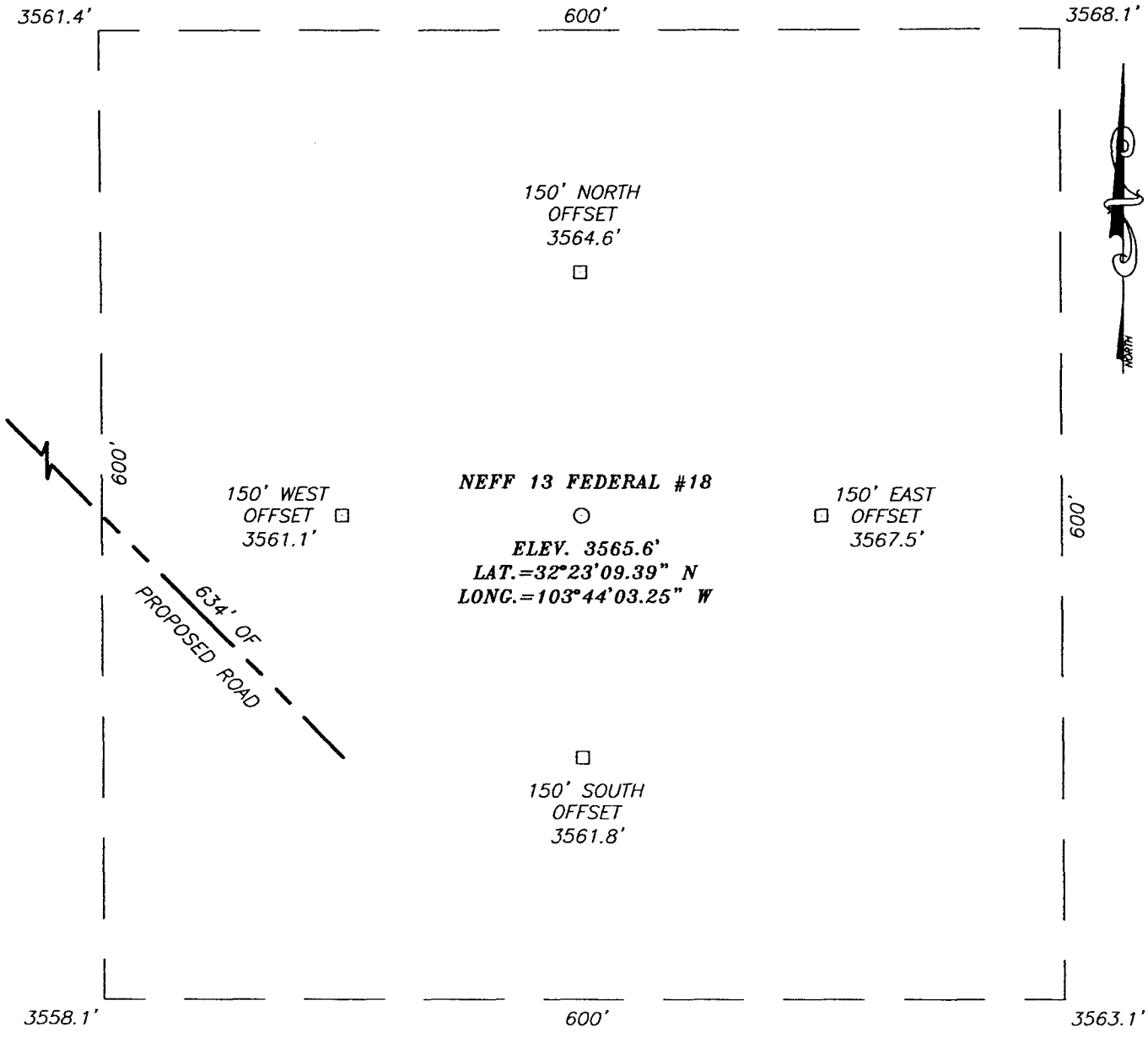
III. WELL SITE DIAGRAM

A complete well site diagram including the following information is attached.

1. Rig orientation
2. Briefing areas
3. Ingress and egress
4. Pits and flare lines
5. Caution and danger signs
6. Wind indicators and prevailing wind direction

SECTION 13, TOWNSHIP 22 SOUTH, RANGE 31 EAST, N.M.P.M.,

EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY #62-180 AND CO. RD. C-29 (CAMPBELL RD.) GO SOUTH-SW ON C.R. C-29 APPROX 12.9 MILES. TO A STAKED ROAD ON THE LEFT. FOLLOW STAKED ROAD SOUTHEAST APPROX. 634 FEET TO THIS LOCATION.

100 0 100 200 Feet

Scale: 1"=100'

CHEVRONTEXACO CORPORATION

NEFF 13 FEDERAL #18 WELL
LOCATED 660 FEET FROM THE SOUTH LINE
AND 1650 FEET FROM THE WEST LINE OF SECTION 13,
TOWNSHIP 22 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

Survey Date: 07/14/05	Sheet 1 of 1 Sheets		
W.O. Number: 05.11.1039	Dr By: GS	Rev 1:N/A	
Date: 07/21/05	Disk: CD#4	05111039	Scale: 1"=100'

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

SURFACE USE AND OPERATIONS PLAN FOR
CHEVRON U.S.A. INC.

Neff "13" Federal #18
660" FSL and 1650' FWL
Section 13, Township 22 South, Range 31 East, N.M.P.M.
Eddy County, New Mexico

LOCATED: 29 miles East of Carlsbad, New Mexico

FEDERAL LEASE NUMBER: NM 29233

LEASE ISSUED: February 1, 1977. Lease is in producing status.

ACRES IN LEASE: 1120 acres

RECORD LESSEE: Pogo Producing, Inc.

SURFACE OWNERSHIP: U.S.A.

GRAZING PERMITTEE: Ken Smith Corporation
P.O. Box 764
Carlsbad, NM 88220

POOL: Livingston Ridge Delaware

POOL RULES: Field Rules are for no wells to be located closer than 330' to any quarter-quarter Section Line, to be 330' from the Lease Line and 330' from the nearest well.

EXHIBITS:

A. Access Road and Facilities Map

B. Drilling Rig Layout Diagram

C. Well Location and Acreage Dedication Plat

JWS 05111575

1. EXISTING ACCESS ROADS

A. Exhibit "A" is a portion of a 7.5 minute U.S.G.S. topographic map at a scale of 1"=1000' showing the proposed well site and the existing roads in the area. Point "A" is the junction of the proposed resource road with Eddy County Road 798 (RED). This point is 11.9 miles Southerly along Lea County Road H-29 Campbell and Eddy County Road 798, from the intersection with U.S. Highway 62 & 180. This intersection is approximately 32 miles Northeasterly from Carlsbad, N.M. and 40 miles Southwesterly from Hobbs, N.M. along said U.S. Highway 62 & 180. Pint "A" is also approximately 9.3 miles Northerly along Eddy County Road 798, from the intersection with State Highway 128, which is approximately 34 miles Westerly of Jal, N.M.

2. PLANNED RESOURCE ROAD

A. Length and Width: From Point "A" as shown on Exhibit "A", a new 14 foot wide Resource road will be constructed 634 feet Southeasterly (Shown in Blue on Exhibit "A") with access at the Southwest corner of the proposed well pad, as shown on Exhibits "A" and "B".

B. Surfacing Material: Caliche material will be used to surface the proposed road. It will be watered, compacted and graded.

C. Maximum Grade: An approximate grade of one to two percent will be encountered ascending from Point "A" to the proposed well pad.

D. Turnouts: One required.

E. Drainage Design: The new road will be crowned at the center to direct drainage to ditches on both sides of the roadway with turnout ditches to be constructed as required.

F. Culverts: One required under cattle guard.

G. Cuts and Fills: A slight amount of leveling will be required as the road crosses several small sand dunes to the proposed well pad.

H. Gates and Cattle Guards: One cattle guard required.

3. LOCATION OF EXISTING WELLS

A. Existing wells on the lease and in the immediate area are shown on Exhibit "A".

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A. The oil, gas and/or water that this well will produce will be transported by a 2 or 2-1/2" steel surface flowline (shown in Green on Exhibit "A") laying along the side of the proposed resource road and Noretheasterly along Eddy County Road 798 to existing resource roads, then East & North to the Neff "13" Federal Battery located on the East side of the existing well No. 2 pad as shown on Exhibit "A".

B. No electric power line will be built to service this well at this time.

5. LOCATION AND TYPE OF WATER SUPPLY

A. It is not contemplated that a water well would be drilled. Water necessary for drilling operations will be purchased and trucked to the well site or will be transported to the well site by a temporary pipeline laid on the ground alongside existing an proposed roads.

6. SOURCE OF CONSTRUCTION MATERIALS

A. Caliche needed for the road and well pad will be taken from an existing pit in the SW/4, NW/4 of Section 1, T23S, R31E, Eddy County, New Mexico. It will be transported to the proposed road and well site by Eddy County Road 798 and the existing resource roads.

7. METHOD 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 tests will be disposed of at commercial or company facilities.

D. Oil produced during tests will be stored in test tanks until sold.

E. Trash, waste paper, garbage and junk will be stored in a trash bin located on the drill site pad. It will be transported to an approved landfill for disposal within 30 days after completion of drilling and/or completion of operations. All waste material will be contained to prevent scattering by the wind. Location of trash bin is shown on Exhibit "B".

8. ANCILLARY FACILITIES

A. None required

9. WELL SITE LAYOUT

A. Exhibit "B" shows the relative location and dimensions of the well pad, mud pits, borrow pit, and the location of the major rig components.

B. Cut and Fill requirements will be minor, but clearing and leveling of the well site will be necessary.

10. PLANS FOR RECLAMATION OF THE SURFACE

A. After completion of drilling and/or completion of operations, all equipment and other material not necessary for operations will be removed. Pits will be filled and the location will be cleaned of all trash and junk to leave the well site in an as aesthetically pleasing condition as possible.

B. Any unguarded pits containing fluids will be fenced until the pits are dry.

C. After abandonment, all equipment, trash and junk will be removed and the well site will be cleaned. Any special reclamation and/or special re-vegetation requirements of the Surface Management Agency will be complied with and will be accomplished as rapidly as possible.

11. OTHER INFORMATION

A. Topography: The land surface in the area of the well is relatively level with small and moderate sand dunes. Regionally, the land slopes to the Southwest with average slopes of less than one or two percent.

B. Soil: Top soil at the well site is a deep sandy loam.

C. Flora and Fauna: The vegetation cover is moderate and includes range grasses, weeds, scrub oak bushes and mesquite bush. Wildlife in the area is that typical of a semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, hawks, dove, quail and other small birds.

D. Ponds and Streams: There are no rivers, lakes, ponds or streams in the area.

E. Residences and Other Structures: There are no occupied dwellings or other structures within ¾ mile of the well site.

F. Archaeological, Historical or other Cultural Sites: None were observed in the area.

G. Land Use: Grazing, oil and gas production and wildlife habitat.

H. Surface Ownership: Federal

12. OPERATOR'S REPRESENTATIVE

Boyd Schaneman
Drilling Superintendent
15 Smith Road
Midland, Texas 79705
Office Phone: 432-687-7402

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 the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chevron U.S.A. Inc. and its contractors and subcontractors 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.

11-15-05
Date

Boyd Schaneman
Boyd Schaneman
Drilling Superintendent
Midland, Texas

Enclosures
jls

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