Form 3160-3
(December 1990)

30-015-27291

Form approved.
Budget Bureau No. 1004-0135
Expires: December 31, 1991

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

RECEIVED
DEC 1992
BUREAU OF LAND MANAGEMENT
DIST. 6 N.M.
Carlsbad, New Mexico

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: NM 38463

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME, WELL NO.: Pure Gold B Federal

9. API WELL NO.: 6

10. FIELD AND POOL, OR WILDCAT: Wildcat Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 20, T23S, R31E

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Kaiser-Francis Oil Company

3. ADDRESS AND TELEPHONE NO.: P.O. Box 21468, Tulsa, Oklahoma 74121-1468

RECEIVED
JAN 25 1993
O. C. D.
ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1980' FSL & 1980' FEL UT J
At proposed prod. zone: Same

12. COUNTY OR PARISH: Eddy — 13. STATE: NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 17 miles East from Loving

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
1980' / 660'	640	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
1320'	8100'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3341' GL

22. APPROX. DATE WORK WILL START*:

23. PROPOSED CASING AND CEMENTING PROGRAM Secretary's Potash / R-111-P Potash

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48#	700	700 sacks Circulated
11	8-5/8	32#	4070	1000 sacks Circulated
7-7/8	5-1/2	17#	8100	1370 sacks ~~top at 4000'~~ (tieback at least 200' into 8 5/8")
		Stage tool @ 6200'		

1. MIRU Rotary.
2. Drill 17-1/2" hole to 700', run & set 13-3/8" surface csg & cmt w/700 sx.
3. Install 3000# BOP & test to 600#.
4. Drill 11" hole to 4070', run & set 8-5/8" intermediate csg & cmt w/1000 sx.
5. Test csg to 1000#.
6. Drill 7-7/8" hole to 8100' & run electric logs.
7. If hydrocarbons are indicated, run & set 5-1/2" csg @ 8100' w/stage collar at 6200' and cmt 1st stage w/580 sx & 2nd stage w/790 sx.
8. RDMO rotary, install wellhead, run cement bond log, perforate and stimulate for production.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED and NMOCD's R111P.

Post 10-1
1-29-93
VEW LOC & APT

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 Milton Croffen TITLE Operations Engineer DATE 12-8-92

(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 1-15-93

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

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

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

Form C-102
Revised 1-1-89

DISTRICT I
P. O. Box 1980
Hobbs, NM 88240

DISTRICT II
P. O. Drawer DD
Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd
Aztec, NM 87410

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the section.

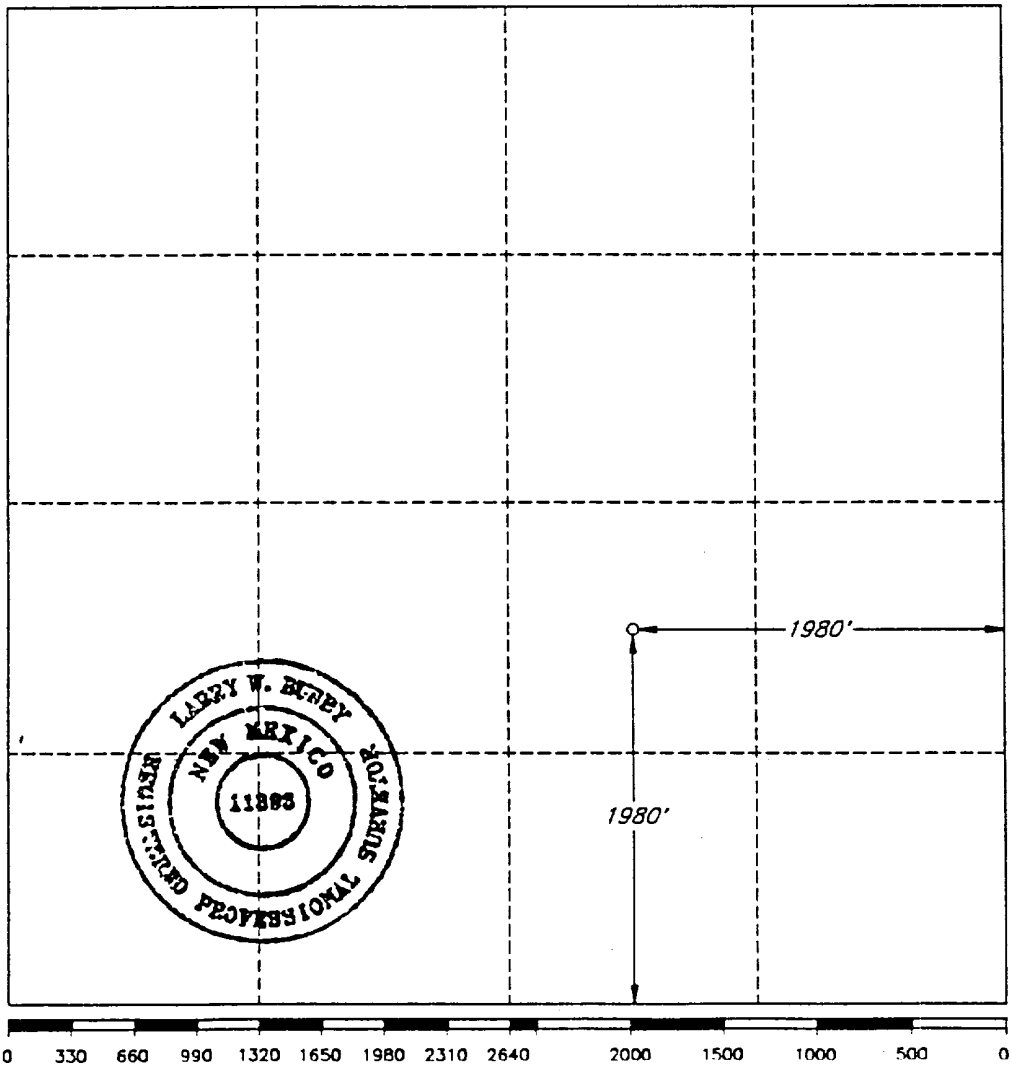
Operator	Lease	Well No.
KAISER-FRANCIS OIL COMPANY	PURE GOLD 'B' FEDERAL	6

Unit Letter	Section	Township	Range	County
J	20	23 SOUTH	31 EAST, N.M.P.M.	EDDY

Actual Footage Location of Well:
1980' feet from the SOUTH line and 1980' feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	
3341'	Delaware	Wildcat Delaware	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all the owners been consolidated by communitization, unitization, forced-pooling, etc.?
   ☐ Yes ☐ No If answer is "yes", type of consolidation _____
   If the answer is "no", list the owners and tract descriptions which have actually been consolidated. (Use the reverse side of this form if neccessary.) _____
   No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the division.



OPERATOR CERTIFICATION

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

Signature: M Milton Griffin

Printed Name: Milton Griffin

Position: Operations Engineer

Company: Kaiser-Francis Oil Co,

Date: 12-8-92

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 knowledge and belief.

Date Surveyed: AUGUST 8, 1992

Signature and Seal of Professional Surveyor

Certificate No.
LARRY W. BUSBY R.P.S. #11398

JOB NO. 92157 V.U.B.

APPLICATION FOR PERMIT TO DRILL
KAISER-FRANCIS OIL COMPANY
Pure Gold "B" Federal No. 6
1980' FSL & 1980' FEL
Sec. 20, T23S, R31E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, Kaiser-Francis Oil Company submits the following items of pertinent information in accordance with Onshore Oil & Gas Order Nos. 1&2, and with all other applicable federal and state regulations.

1. The geologic surface formation is Quaternary alluvium and other surficial deposits.

2. The estimated tops of geologic markers are as follows:

Delaware	4150'
Bone Springs	8000'
TD	8100'

3. We do not anticipate encountering water, and oil and gas formations are as follows:

   Delaware

4. Proposed Casing Program: See Form 3160-3 and Exhibit A.

5. Pressure Control Equipment: See Exhibit B.

6. Mud Program: See Exhibit C.

7. Auxiliary equipment: Blowout preventer.

8. Testing, Logging, and Coring Programs: No coring or DST's are anticipated. Electric logs will consist of a Compensated Neutron/Litho Density w/ Gamma Ray and Caliper and a Dual Laterolog. A Mudlogging unit will be used from 4150' to TD.

9. No abnormal pressures, no abnormal temperatures and no H2S are expected.

10. Anticipated starting date: As soon as possible.

EXHIBIT A
KAISER-FRANCIS OIL CO.
Pure Gold "B" Federal #6
Eddy County, NM

SUMMARY

Drilling, Casing and Cementing Program

1. Drill 17 1/2" hole to 700' and run 13 3/8", 48#, H40 casing. Use guide shoe on bottom joint with a float insert 1 joint above the guide shoe. Run 1 centralizer per joint on bottom 3 joints. Cement with 500 sx Class "C" + 2% CaCl + 1/4 pps Cello Flake lead cement followed by 200 sx Class "C" + 2% CaCl. Drop top plug and displace cement with mud.

2. Nipple up and install BOP's. Cement shall be allowed to stand 12 hours under pressure. After 24 hours test casing to 600 psi for 30 minutes and drill out cement. After drilling the plug and below the casing seat, test again to 600 psi for 30 minutes.

3. Drill 11" hole to 4070" and run 8 5/8", 32#, J55 casing. Use guide shoe on bottom and a float collar 1 joint above the shoe. Use 1 centralizer per joint on bottom 5 joints and 5 other centralizers. Cement with 800 sx Class C Lite (35:65:6) + 9.5 pps salt + 1/4 pps Celloflake lead cement followed by 200 sx Class C + 1% KCl + 5 pps salt. A Fluid Caliper will be run to determine the exact volume of cement required to circulate cement to the surface.

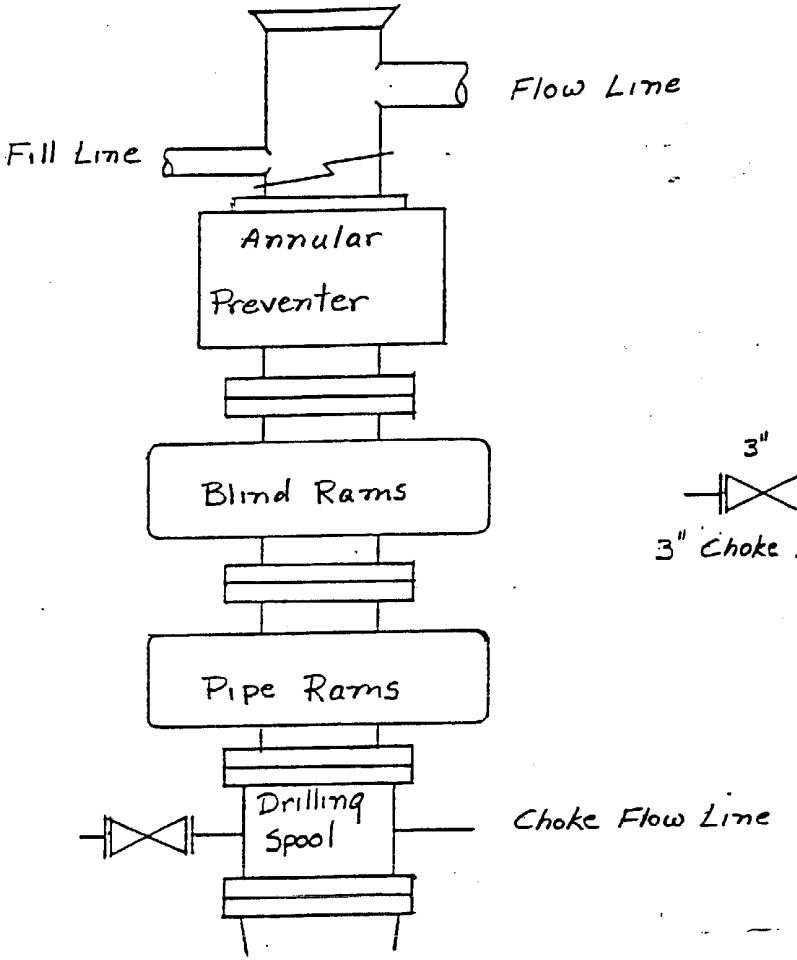
4. Nipple up and install BOP's. Cement shall be allowed to stand 12 hours under pressure. After 24 hours test casing to 1000 psi for 30 minutes and drill out cement. After drilling the plug and below the casing seat, test again to 1000 psi for 30 minutes.

5. Drill 7 7/8" hole to 8100' and run 5 1/2", 17#, K55 casing with a stage tool at approximately 6200'. Use a float shoe on bottom and a float collar 2 joints above the shoe. Use 1 centralizer per joint on bottom 5 joints and as required across potential productive intervals. Cement the first stage with 580 sx Class H + additives, and cement the second stage with 690 sx Class C Lite (35:65:6) lead cement followed with 100 sx Class C neat. The exact volume to bring the cement top ~~to 4000~~' will be determined after logging the well. (see stips) 6378

6. Perforations and stimulation treatments will be determined after running electric logs and setting the 5 1/2" casing.

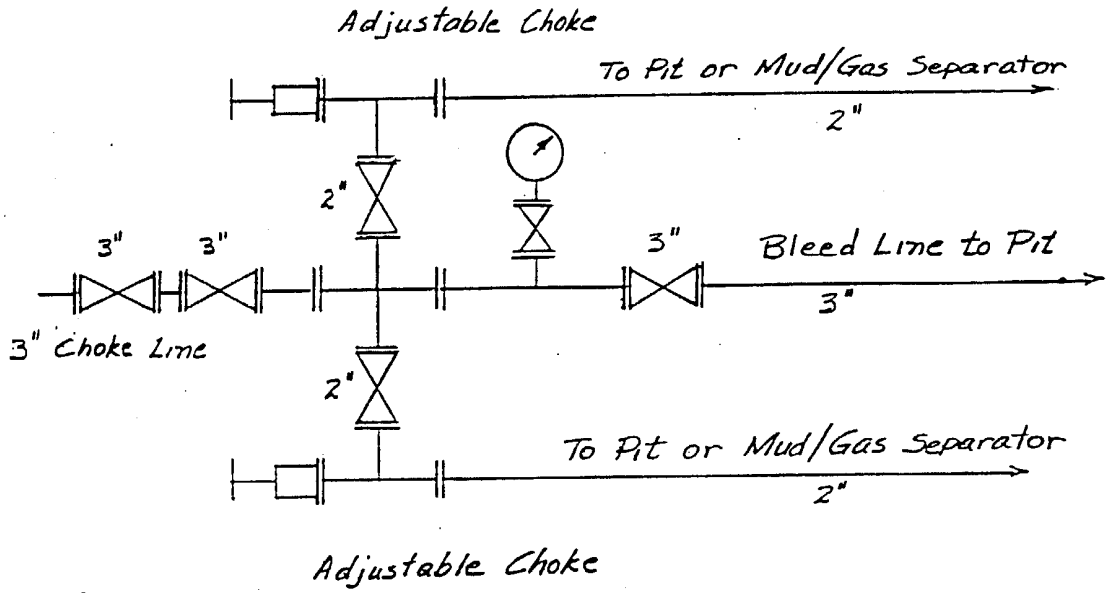
Exhibit B
Kaiser-Francis Oil Co.
Pure Gold "B" Fed. #6

PRESSURE CONTROL EQUIPMENT



3000 Psi

BOP Stack



3M Choke Manifold

EXHIBIT C
KAISER-FRANCIS OIL CO.
Pure Gold "B" Federal #6
Eddy County, NM

Drilling Fluid Program

	Depth Ft.	Weight lb/gal	Viscosity Sec	Filtrate ml
Surface:	0' to 700'	8.5 to 9.2	35 to 45	No Control

Spud with fresh water gel. Add lime for sufficient viscosity to clean the hole. Paper may be used to control seepage, and mixed coarse LCM for severe to total loss.

Intermediate:	700' to 4070'	10.0 to 10.3	30 to 34	No Control

Drill out from under surface casing with brine. Circulate a controlled section of the reserve pit with brine water + additives for solids control. May use paper to control seepage and additives to help with hole cleaning.

Production:	4070' to 7800'	8.4 to 9.0	28	No Control

Drill out from under intermediate casing with fresh water/cut brine. Circultate a separate controlled section of the reserve pit with fresh water/cut brine + additives for solids control. Use lime or caustic soda for a 9.0-10.0 pH and paper to control seepage. Use additives for hole cleaning sweeps, if needed.

	7800' to TD	8.6 to 9.6	30 to 32	15 to 20

Start cut brine polymer. Return to the steel working pits with clean cut brine and prepare a light mud-up before reaching TD and logging. Use additives for filtrate control. Density may be adjusted to control pressures that may be encountered by addition of brine or fresh water as needed. Use caustic soda to maintain at 9.0.

SURFACE USE PLAN

KAISER-FRANCIS OIL COMPANY
Pure Gold "B" Federal No. 6
Sec. 20, T23S, R31E
Eddy County, New Mexico

1. EXISTING ROADS:

Exhibit D is a portion of a USGS Topographic map showing the existing roads into the proposed location. Exhibit E shows the existing access roads onto the drilling pad.

Exhibit F is a road map showing directions into the lease. From the Junction of State Highway 128 and the Lea/Eddy county line, go northwest 5.2 miles on State Highway 128, thence south 300' to a point approximately 2000' east of the location.

2. PLANNED ACCESS ROADS:

Approximately 920' of new access road will be constructed. The road will be 14' wide, will be crowned and will be surfaced with 4" to 6" of caliche. This material will be obtained from a local source. There will be no turnouts. The road has been flagged..

3. LOCATION OF EXISTING WELLS:

Exhibit G is a plat showing existing wells and their locations

4. LOCATIONS OF TANK BATTERY, ELECTRICAL LINES, ETC:

In the event the well is completed as a producing well, temporary production facilities will be installed on the well site until the feasibility of further development drilling is evaluated. If additional development wells are drilled, a central production facility will be constructed on one of the well pads that will minimize flow line lengths and transport truck travel on the lease. Exhibit H is a diagram of a permanent tank battery facility. Flow lines and electric lines will be constructed down existing access road right of ways.

5. LOCATION AND TYPE OF WATER SUPPLY:

Water will be from commercial sources, either hauled or pipelined.

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 tssransported over the access route as shown on Exhibit A.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. 1. Drill cuttings will be disposed of in the reserve pit.

2. Trash, waste paper, and garbage will be contained in covered trash containers and disposed of in an authorized land fill.

3. If needed, sewage from the trailer house will drain into holes with minimum depth of 10' 00". These holes will be covered during drilling and backfilled upon completion. Portable sanitation facilities will be provided and properly maintained during drilling and completion operations for the rig crews.

4. All extraneous material such as surplus casing, tubing, thread protectors, unused chemicals and containers, will be removed from the location.

B. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling.

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:

None are planned or required.

9. WELLSITE LAYOUT:

A. Exhibit I shows the relative location and dimensions of the well pad, reserve pits and major rig components.

B. The land is relatively flat with sandy soil.

C. The pad and pit area have been staked.

10. PLANS FOR RESTORATION OF THE 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.

After finishing drilling and/or other completion operations, all equipment and other materials not needed for further operations will be removed. Pits will be filled, and the location cleaned of all trash and junk to leave the wellsite as pleasant in appearance as possible.

If the proposed well is nonproductive, all restoration and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as quickly as possible. All

pits will be filled and levelled within 90 days after abandonment.

11. OTHER INFORMATION:

A. The minerals are Federal Government.

B. The topography is undulating to slightly inclined terrain with vegetation of grassland formation, scrub-grass scrub disclimax community. The soil is Berino complex sands.

C. The surface is owned by J. C. Mills, P.O. Box 190, Abernathy, Texas 79311 and is used to mainly access producing wells in the area and grazing for livestock.

D. An Archaeological Survey has been made of the proposed location by Archaeological Survey Consultants, Roswell, New Mexico, and a copy of the report is attached. BLM records (Ruebelman, 8/25/92) indicate the recording of ASC Site 91-49-S1 in Section 20, T23S, R31E. The site will not be endangered by construction activity. The survey on this drilling pad and access road revealed the occurance of 1 Isolated Find, which does not appear significant past the level of field recording. Also, there are no occupied dwellings or windmills.

12. OPERATOR'S REPRESENTATIVES:

The field representative for contact regarding compliance with the Surface Use Plan is:

David Rodawalt
Kaiser-Francis Oil Company
2440 Market St.
Rt. 5, Box 208
Odessa, Texas 79766
Phone (915) 337-2992

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, true and correct; and that the work associated with the operations proposed herein will be performed by Kaiser-Francis Oil Company and its contractors/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.

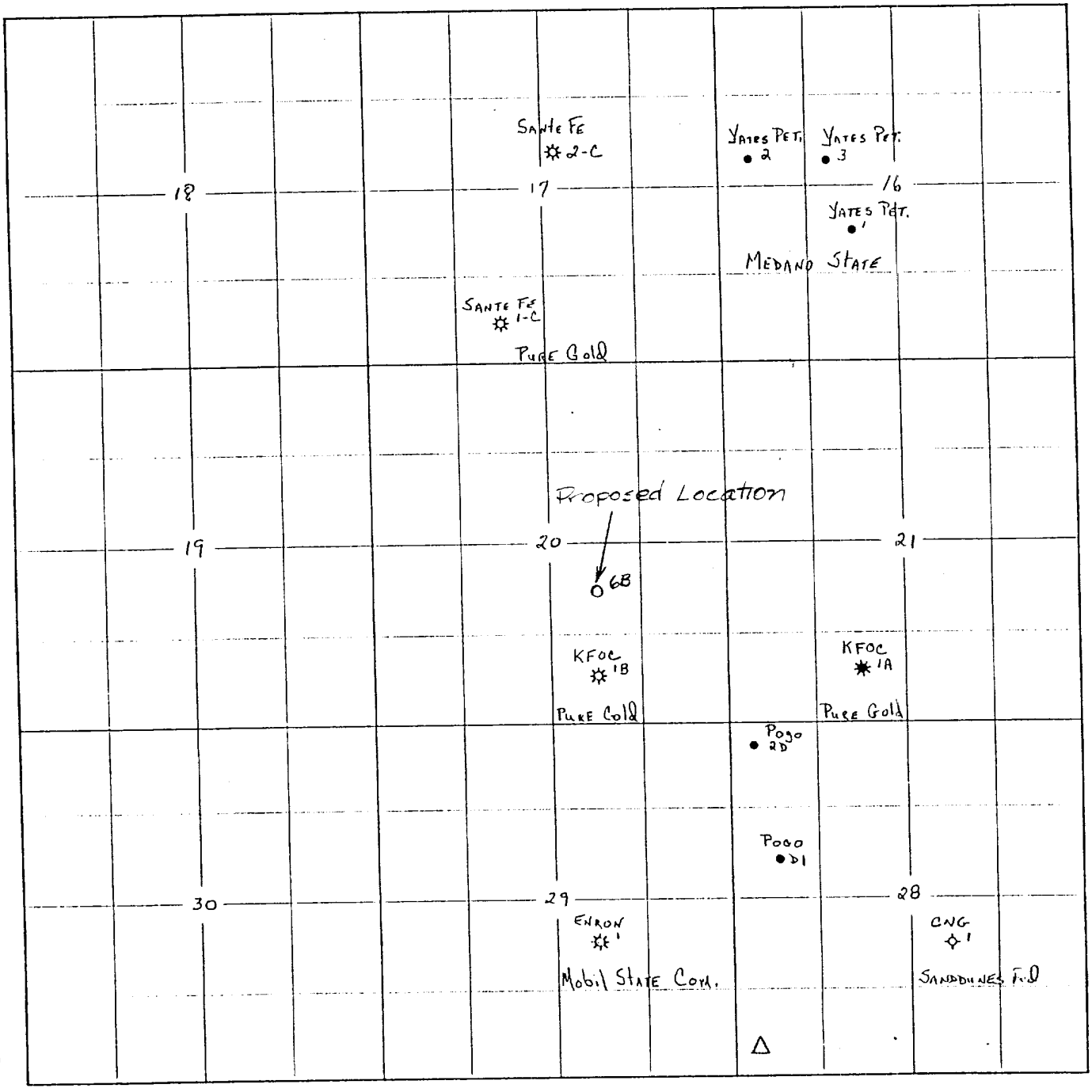
12/7/92
Date

Milton Griffin
Operations Engineer

KEUFFEL 918 BOX 800 TULSA OK 74101
NINE-SECTION PLAT
Scale: 1 inch = 2200 feet
Printed in U. S. A.

Exhibit G
Kaiser Francis Oil Company
Pure Gold "B" Fed #6

TOWNSHIP 23S RANGE 31E COUNTY Eddy STATE N.M.



PRINTED IN U.S.A.

Exhibit H
Kaiser-Francis Oil Co.
Pure Gold "B" Fed. #6

PRODUCTION FACILITIES

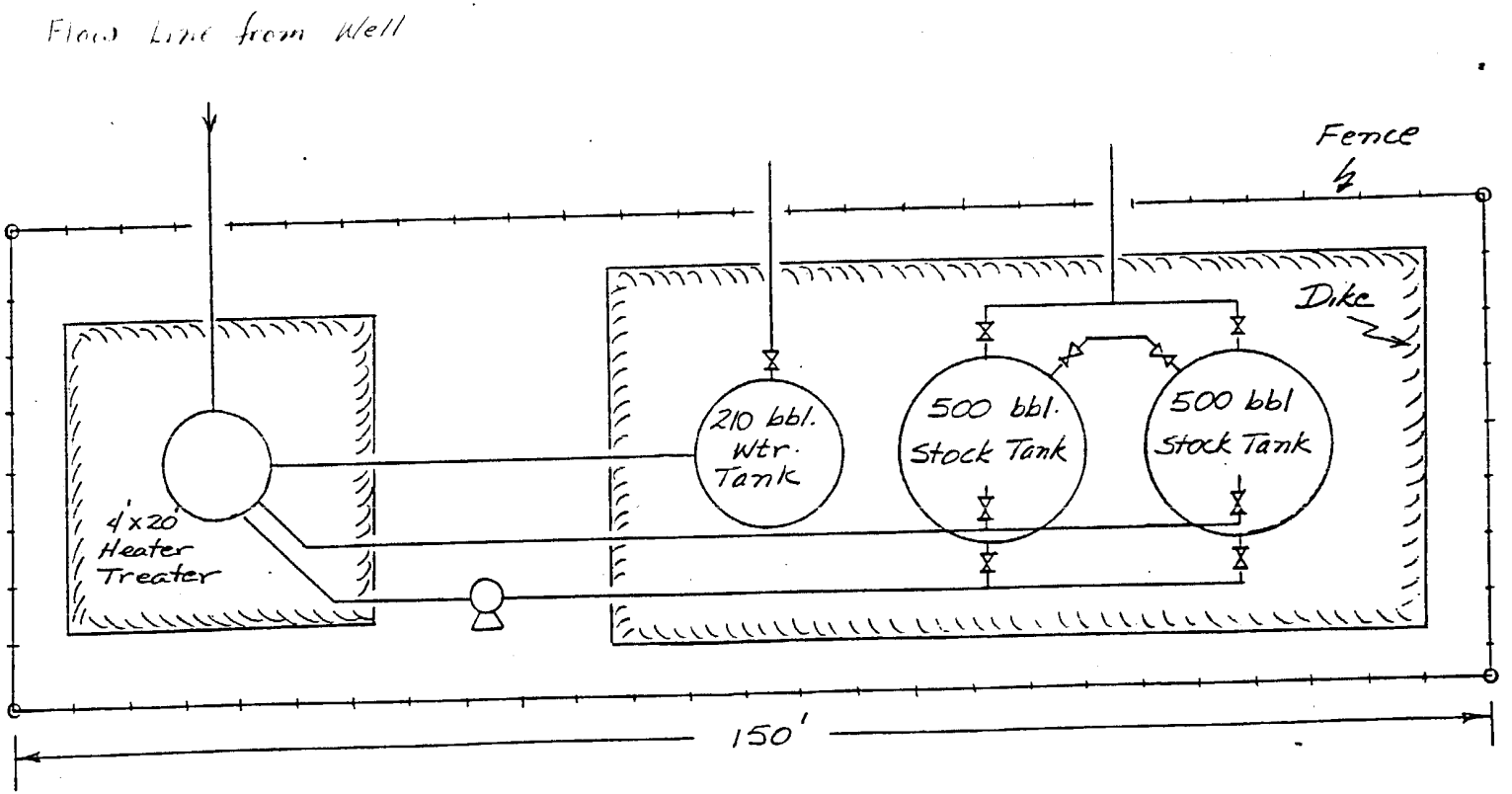
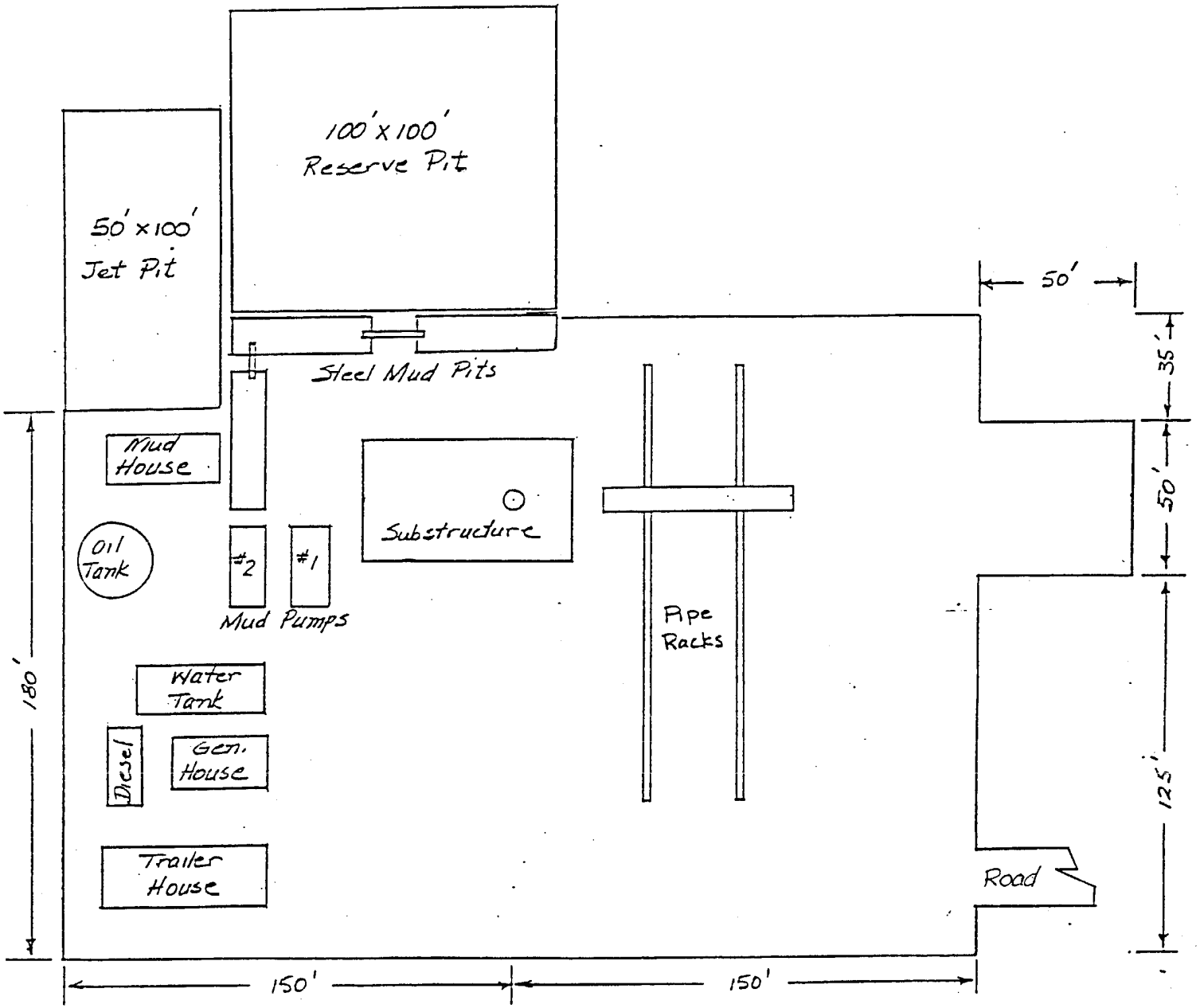


Exhibit I
Kaiser-Francis Oil Company
Pure Gold "B" Fed. #6

WELL SITE LAYOUT



ARCHAEOLOGICAL SURVEY of the ENRON OIL & GAS COMPANY
PURE GOLD "B" FEDERAL WELL NO. 6 & ACCESS ROAD R/W
T23S, R31E, SECTION 20 (NW¼SE¼)
[1980 FSL, 1980 FEL]. EDDY COUNTY, NEW MEXICO

FEDERAL LAND SURFACE
(U.S.G.S. 7.5 minute series, LOS MEDAÑOS, NEW MEXICO, 1985)

ASC Report 92-134

by James V. Sciscenti, Project Archaeologist

ARCHAEOLOGICAL SURVEY CONSULTANTS
P.O. Drawer D, Roswell, New Mexico 88202
[505] 623-5012

PERMIT NO.: 18-2920-92-F

September 6, 1992

Prepared for:

Enron Oil & Gas Company
P.O. Box 2267
Midland, Texas 79702

Attention: Betty Gildon

Distribution:

Enron Oil & Gas Company (1)
BLM - Carlsbad Resource Area (2)
New Mexico SHPO (1)
Sciscenti (1)

ARCHAEOLOGICAL SURVEY CONSULTANTS **CULTURAL RESOURCES EXAMINATION**

on lands administered by the
Department of the Interior
Bureau of Land Management
Roswell District, New Mexico

ASC PERMIT NO.: 18-2920-92-F
ASC JOB NO.: 92-134; Enron Oil & Gas Company Pure Gold "B" Fed. Well No. 6 & Access Road

1. ABSTRACT: **intensive** archaeological survey of the Enron Oil & Gas Company Pure Gold "B" Federal Well No. 6 (400 ft. square, 3.67 acres), and access road R/W (920 ft. long x 100 ft. wide, 2.11 acres), with a total **federal land surface of 5.78 acres**, was inspected for cultural remains.

Archaeological survey of the Enron Oil & Gas Company Pure Gold "B" Federal Well No. 6 and access road R/W revealed the occurrence of 1 Isolated Find, which does not appear significant past the level of field recording. Therefore, archaeological **CLEARANCE** for the Enron Oil & Gas Company Pure Gold "B" Federal Well No. 6 and access road R/W is **RECOMMENDED.**

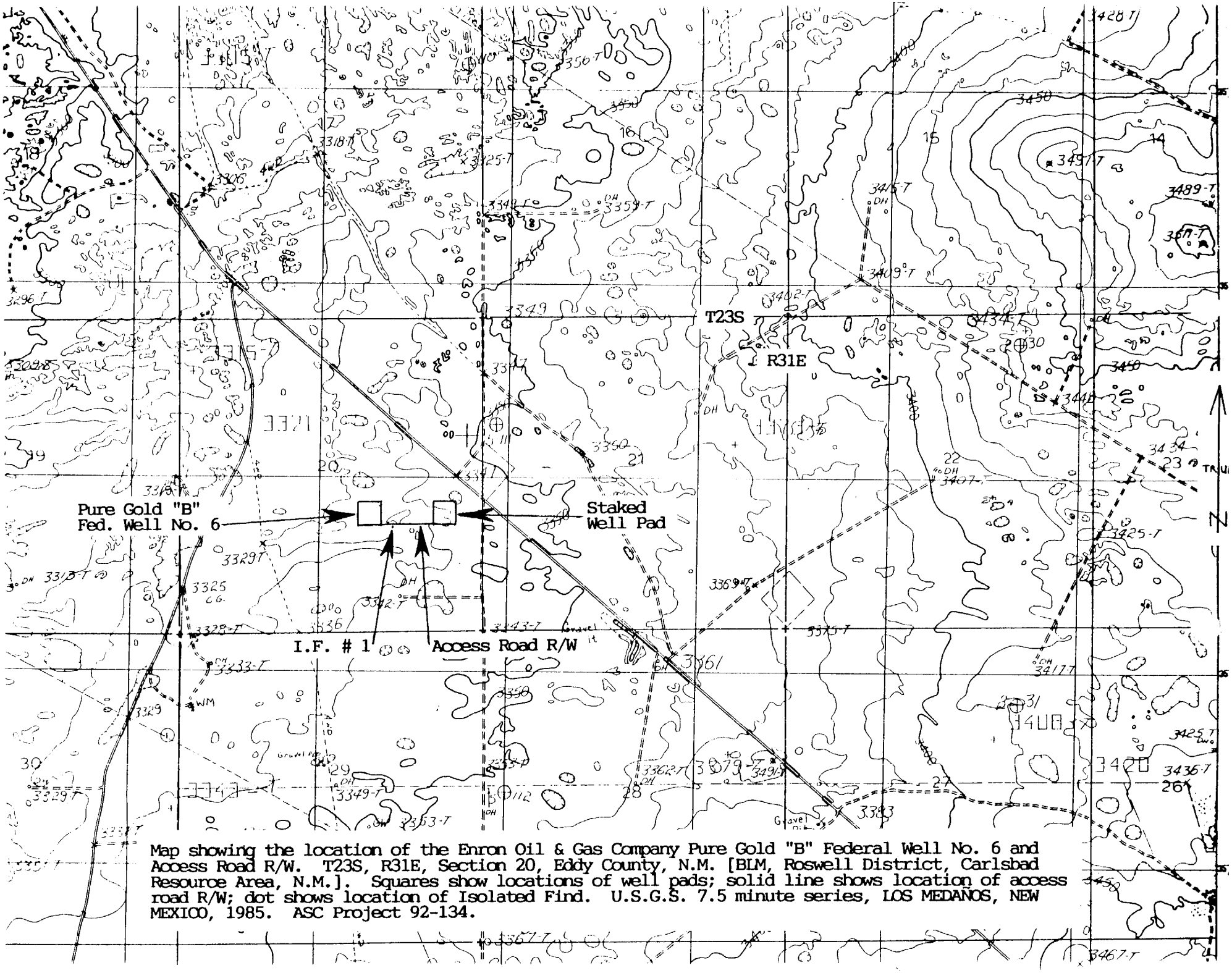
2. LEGAL LOCATION: T23S, R31E, Section 20: NW¼SE¼ [1980 FSL, 1980 FEL]. **ACCESS ROAD R/W LOCATION:** T23S, R31E, Section 20: NW¼SE¼ & NE¼SE¼. Eddy County, New Mexico.

Map Reference: U.S.G.S. 7.5 minute series, LOS MEDAÑOS, NEW MEXICO, 1985.
Land Status: BLM, Roswell District, Carlsbad Resource Area, New Mexico.

3. PROJECT DESCRIPTION: well pad (400 ft. square, 3.67 acres), and access road R/W (920 ft. long x 100 ft. wide, 2.11 acres), with a total **federal land surface of 5.78 acres**, was inspected for cultural remains.

TOPOGRAPHY: situated ca. 11.5 miles E of Salt Lake, & 7.0 miles east of Nash Draw, to the SE of Los Medaños. The well pad is situated in an area of relatively deep aeolian topography, with undulating to inclined terrain. Low dune rises occur N & E of the well centre, and in the SE quadrant; a low dune rise occurs north of the access road centreline, to the east of the well pad. Large swales occur in the NE quadrant, and at the east end of the access road. Elsewhere, the terrain is undulating with relatively large deflation basins occurring, particularly along the access road. **Soils:** Berino complex sands. **Permanent Water:** Pecos River, ca. 12.5 miles W/SW. **Potential Water:** Indian Well, ca. 5.0 miles W. **Elevation:** 3332 ft. to 3340 ft. **Slope:** 0.30° to 1.91°. **Aspect:** 225° to 315°. **Lithic Resources:** not available in the immediate vicinity. **Vegetation:** Grassland Formation, Scrub-grass scrub disclimax community.

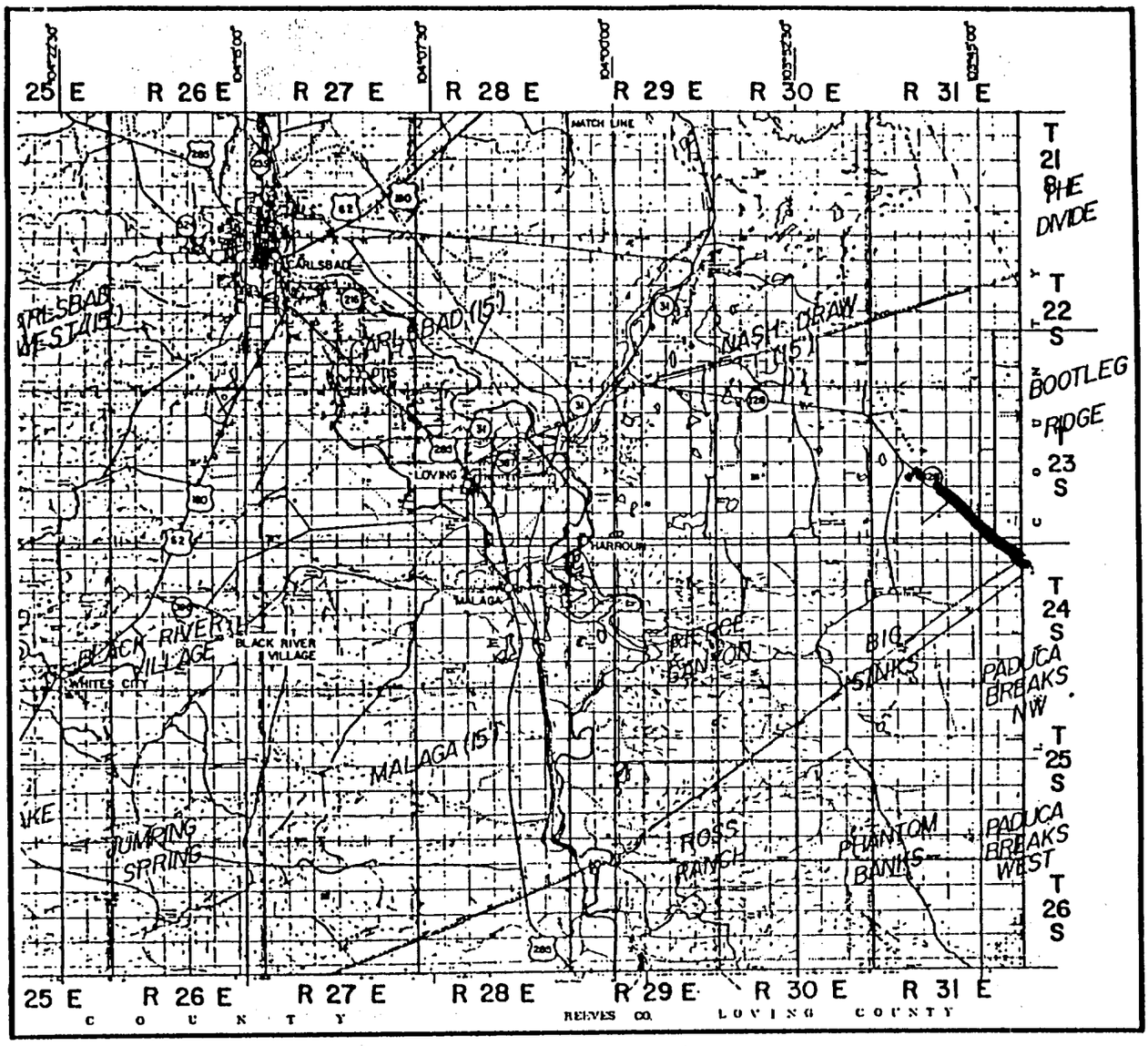
4. EXAMINATION PROCEDURE: straight and zig-zag transects, spaced no greater than 15 metres apart. **Work Hrs. on Ground:** 2.0. **Area Delineation:** staked by client. **Visibility:** ground, ca. 65% to 100% in deflation basins; weather, sunny.



Map showing the location of the Enron Oil & Gas Company Pure Gold "B" Federal Well No. 6 and Access Road R/W. T23S, R31E, Section 20, Eddy County, N.M. [BLM, Roswell District, Carlsbad Resource Area, N.M.]. Squares show locations of well pads; solid line shows location of access road R/W; dot shows location of Isolated Find. U.S.G.S. 7.5 minute series, LOS MEDAÑOS, NEW MEXICO, 1985. ASC Project 92-134.

VICINITY MAP

EXHIBIT 1
Kaiser-Francis Oil Co.
Pure Gold "B" Fed #6



SCALE: 1" = 5.5 MILES

SECTION 20 TWP 23-S RGE 31-E

SURVEY NEW MEXICO PRINCIPAL MERIDIAN

COUNTY EDDY STATE NM

DESCRIPTION 1980' FSL & 1980' FEL

ELEVATION 3341'

OPERATOR KAISER-FRANCIS OIL COMPANY

LEASE PURE GOLD "B" FEDERAL #6

DISTANCE & DIRECTION FROM THE JCT. OF STATE HWY. 128 & THE LEA / EDDY COUNTY LINE, GO NORTHWEST 5.2 MILES ON STATE HWY. 128, THENCE SOUTH ±300' ON LEASE ROAD TO A POINT ±2000' EAST OF THE LOCATION.

N

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

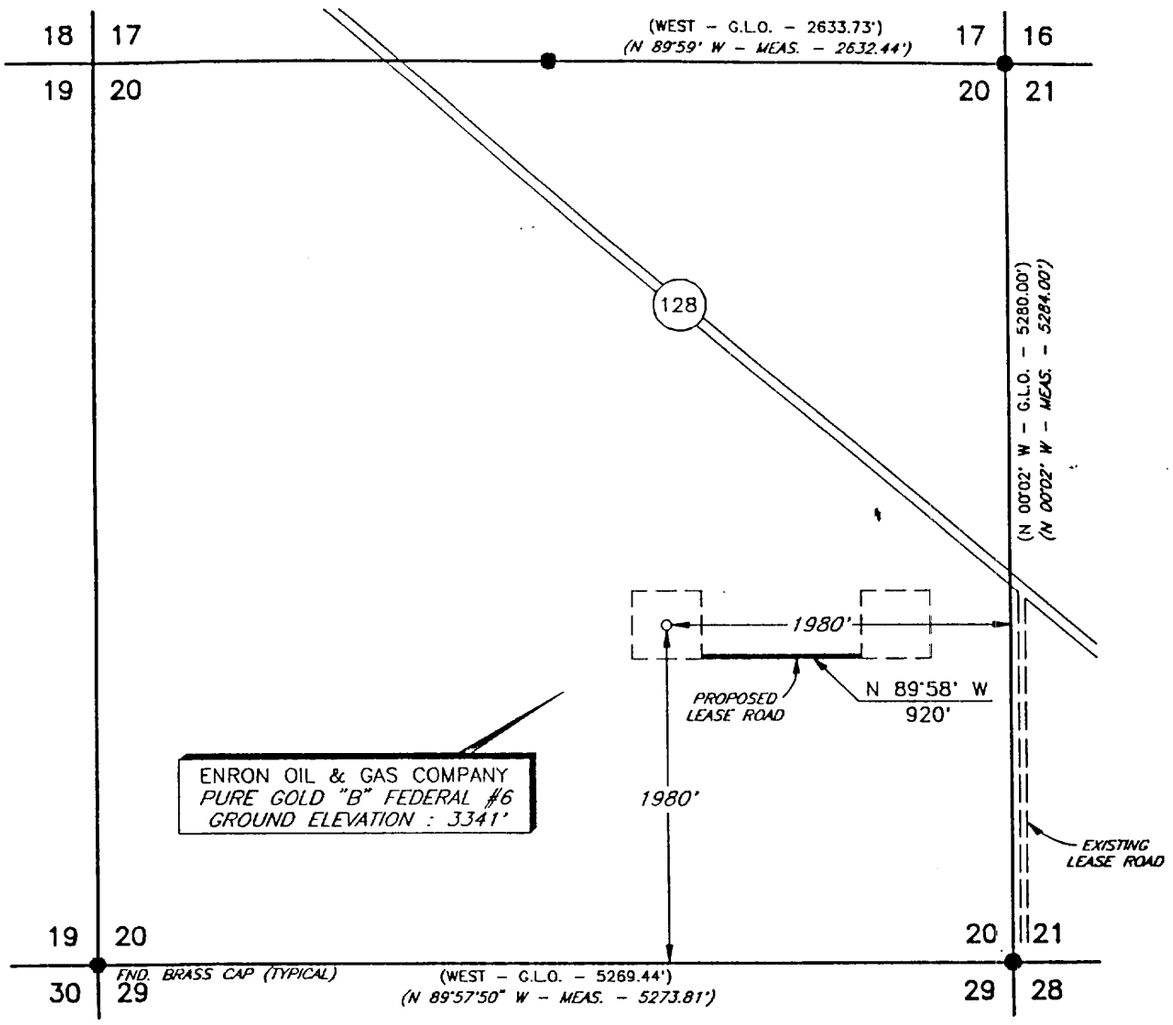
1307 N. HOBART
PAMPA, TX. 79065
(806) 665-7218

2903 N. BIG SPRING
MIDLAND, TX. 79705
(915) 682-1653

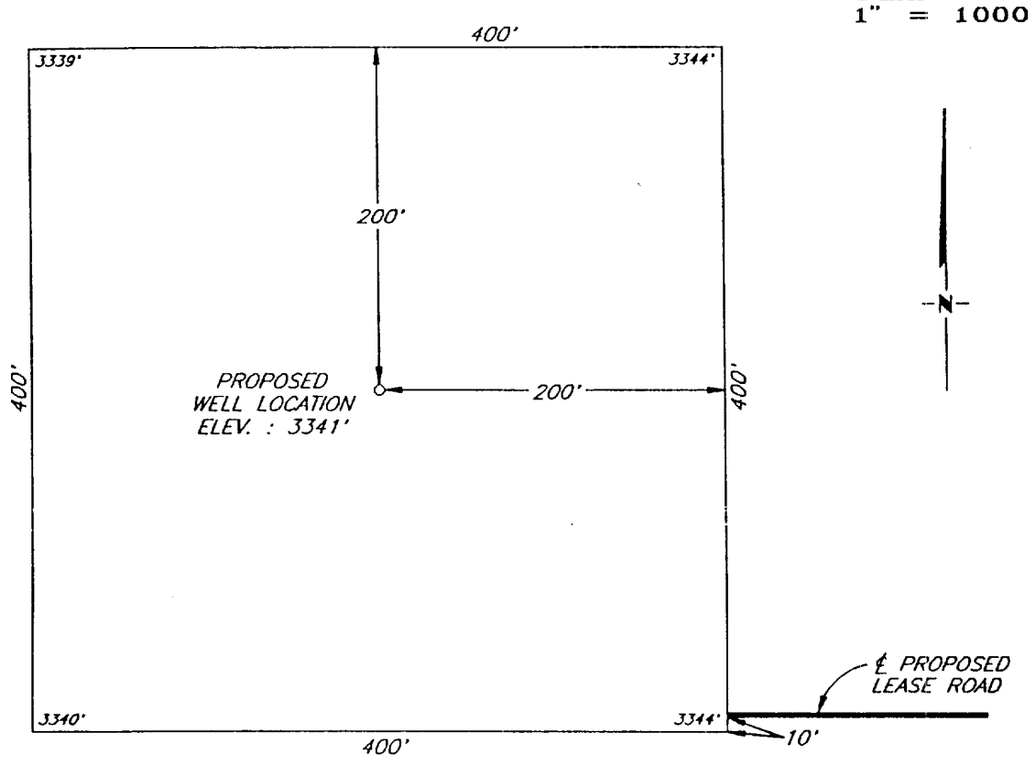
621 SUNSET CIRCLE
HOBBS, NM. 88240
(505) 392-5173

Exhibit E
Kaiser-Francis Oil Company
Pure Gold "B" Fed #6

PLAT SHOWING PROPOSED WELL LOCATION AND LEASE ROAD IN SECTION 20, T-23-S, R-31-E, N.M.P.M. EDDY COUNTY, NEW MEXICO



PLAN VIEW
1" = 1000'



DETAIL VIEW
1" = 100'

NO.	REVISION	DATE	BY

KAISER-FRANCIS OIL COMPANY
Tulsa, Oklahoma

SCALE: AS SHOWN
DATE: AUGUST 8, 1992
JOB NO.: 92157

SURVEYED BY:	L.W.B.
DRAWN BY:	V.H.B.
APPROVED BY:	L.W.B.

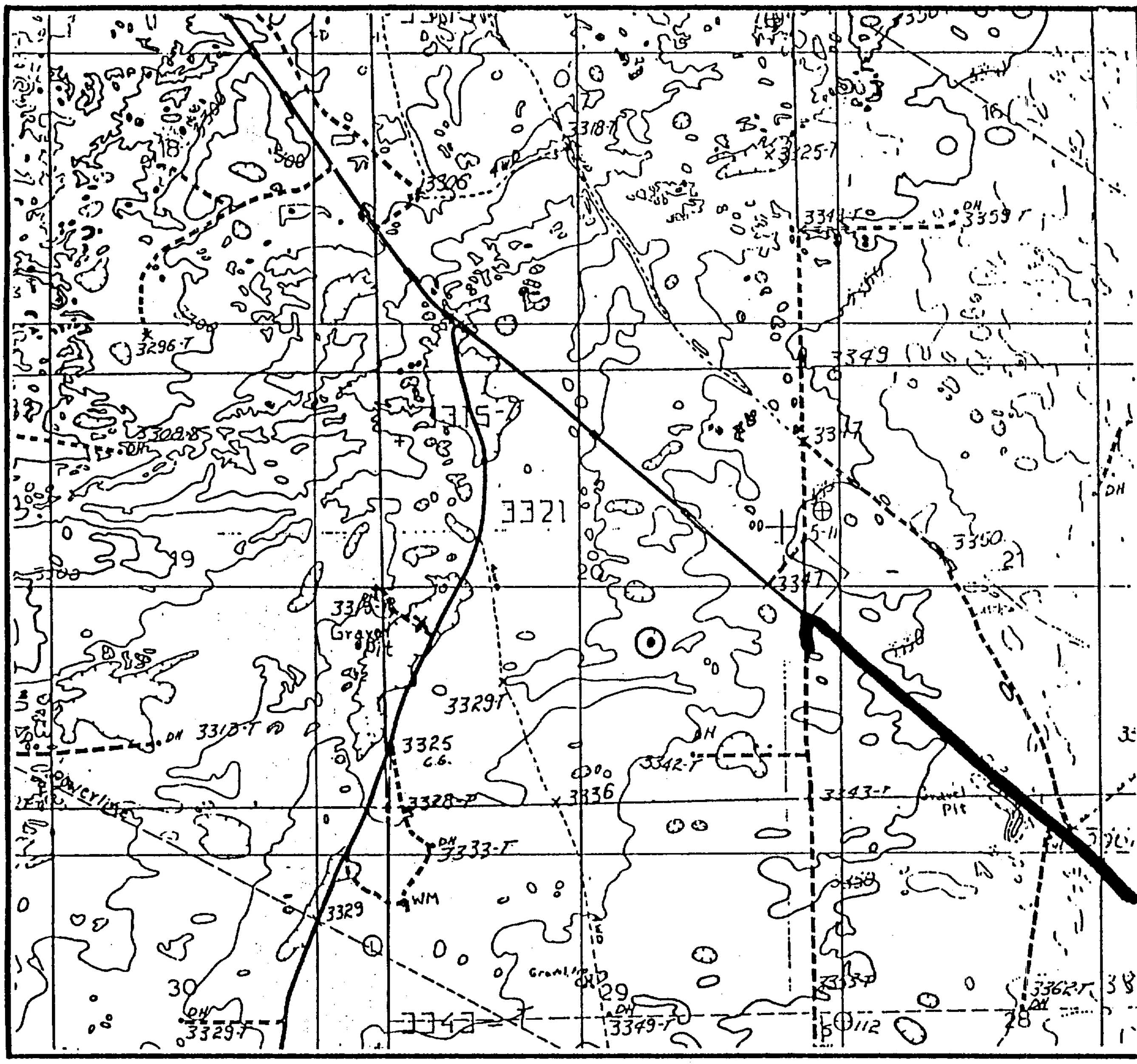
SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS
MIDLAND, TEXAS

48 SE

SHEET : 1 OF 1

LOCATION & ELEVATION VERIFICATION MAP

EXHIBIT D
Kaiser-Francis Oil Co.
Pure Gold "B" Fed #6



SCALE : 1" = 2000'

CONTOUR INTERVAL 10'

SECTION 20 TWP 23-S RGE 31-E

SURVEY NEW MEXICO PRINCIPAL MERIDIAN

COUNTY EDDY STATE NM

DESCRIPTION 1980' FSL & 1980' FEL

ELEVATION 3341'

OPERATOR KAISER-FRANCIS OIL COMPANY

LEASE PURE GOLD "B" FEDERAL #6

U.S.G.S. TOPOGRAPHIC MAP

LOS MEDANOS, NEW MEXICO

SCALED LAT. N 32°17'17"

LONG. W 103°47'50"

-N-

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
(806) 665-7218

2903 N. BIG SPRING
MIDLAND, TX. 79705
(915) 682-1653

621 SUNSET CIRCLE
HOBBS, NM. 88240
(505) 392-5173

3160(067)
NM-38463

JAN 15 1993

CERTIFIED--RETURN RECEIPT REQUESTED
P 135 580 029

Kaiser-Francis Oil Company
Attention: Milton Griffin
P. O. Box 21468
Tulsa, OK 74121-1468

RE: Pure Gold B Federal Well No. 6
NM-38463
Surface: 1980' FSL & 1980' FEL, Sec. 20, T23S, R31E
Eddy County, New Mexico

Dear Mr. Griffin:

On December 10, 1992, Kaiser-Francis Oil Company filed an Application for Permit to Drill (APD) at the above referenced location. I am pleased to approve your APD at the present location. Your copy of the APD, with attached stipulations, is enclosed.

Through our analysis of the APD, we have determined that the well site is located a sufficient distance from the ore zones that potash resources should not be impacted.

If you need any additional information, please contact Tony Herrell in the Carlsbad Resource Area at (505) 887-6544.

Sincerely,

/s/ Malcolm Schmitker

for Larry L. Woodard
State Director

1 Enclosure

bcc:
NM (910, L. Woodard)
NM (920, R. Smith)
NM (060, A. Lopez)
NM (060, L. Cone) ✓
NM (067, T. Herrell)