(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

# UNITED STATES DEPARTMENT OF THE INTERIOR

		30-045-24308									
		NM-03523									
-		N FOR PERMIT	6. IF INDIAN, ALLOTTEE OR TRIBE NAME								
1	a. TYPE OF WORK  DR  b. TYPE OF WELL	ILL X	DEEPEN	DEEPEN  PLUG BACK			7. UNIT AGREEMENT NAME				
7	OIL G	SINGLE X MULTIPLE ZONE X ZONE			LE	S. FARM OR LEASE NAME					
2	NAME OF OPERATOR						Federal 31				
3	DEPCO, Inc.	· · · · · · · · · · · · · · · · · · ·	<del></del>				9. WELL NO.				
	1000 Petrole	um BuildingD	10. FIELD AND POOL, OR WILDCAT								
4	LOCATION OF WELL (F	deport location clearly a	nd in accordance w	e with any State requirements.*)			West Kutz, P.C.				
M	/90 * At proposed prod. zo		(SW4-SW4)	(SW4-SW4) Sec. 31 g			11. SEC., T., R., M., OE BLK. AND SURVEY OR AREA				
-	1	Same					Sec. 31, T27N, R11W				
1		AND DIRECTION FROM NI		ST OFFICE			12. COUNTY OR PARISE 13. STATE				
ĭ	5. DISTANCE FROM PROP	th of Bloomfie	ld, NM	16. NO.	. OF ACRES IN LEASE	1 47. NO. (	San Juan NM				
7	LOCATION TO NEARES PROPERTY OR LEASE (Also to mearest dri	LINE, FT. g. unit line, if any)	790	790 640		TO T	HIS WELL 58.79 <del>160</del>				
•	S. DISTANCE FROM PROI TO NEAREST WELL, OR APPLIED FOR, ON TH	RILLING, COMPLETED.	3850'		POSED DEPTH	ļ	RY OR CABLE TOOLS				
2		ether DF. RT. GR. etc.)		<u> </u>		1100	Rotary  22. APPROX. DATE WORK WILL START*				
_		6074' KB (Est)					May 1, 1980				
2	3.		PROPOSED CASI	NG AND	CEMENTING PROGRA	м					
-	SIZE OF HOLE	SIZE OF CASING	WEIGHT PER	roor	SETTING DEPTH		QUANTITY OF CEMENT				
_	12-1/4"	8-5/8"	24# K5	5	120'		O sx Reg. CIRCULATE				
_	7-7/8"	4-1/2"	10.5# K	55	1810'	125 sx Reg					
p:	Set 4½" casi The location respread & t "A" - Well L Diagram; "D" - Topographi Location Pla Plan; "I" -	Run DIL & CNL-FDC GR logs.  Set 4½" casing string if warranted, or P&A in compliance with regulations.  The location will be reshaped to original topography. Stockpiled topsoil will be respread & the area reseeded.  Exhibits attached to this APD  "A" - Well Location Plat; "B" - Ten Point Compliance Program; "C" - Blowout Preventer Diagram; "D" - Multipoint Surface Use Requirements; "E" - Road Access Map to Area; "F" - Topographic Map of Area, Road Access, and wells within one mile radius; "G" - Drilling Location Plan, Contours, Cuts and Fills; "H" - Drilling Rig and Production Facilities Plan; "I" - Treatment Program Plan; "J" - Archeology Report.  ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive fone and proposal new productive e. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertex forms and true vertex forms.  Give blowout venter program, if any.									
_	SIGNED W F	Schwenn	eun ti	TLE _Di	strict Superin	tenden	MAY CON. COM.				
_	(This space for Fede	erai or State office use)									
	PERMIT NO.				APPROVAL DATE						
	APPROVED BY	APPROVED BY APPROVED									
	CONDITIONS OF APPROV	AL, IF ANY:	TI	TLE	A	MA E	ENDED				
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	, <del>-</del>	9 500 J. Su									
	15 L 3	Van g	Toee Instri	uctions (	On Reverse Side (	JAMES	F, SIMS				
					\ / D	ISTRICT	ENGINEER				

# OIL CONSERVATION DIVISION

# THE STATE OF NEW MEXICO LIFERSY AND MINERALS DEPARTMENT

# P. O. BOX 2088 SANTA FL, NEW MEXICO 87501

form C-102 keylsed 10-1-78

All distances must be from the cuter houndaries of the Section

Checator					Well No.			
DEPCO INCORPORATED				FEDERAL 3/			11	
Unit Letter	Section	Township	Roz	qe	County			
м	31	27N		11W	San	Juan		
Actual Footage Loc								
790	leet from the	South line or	nd 900	) tee	t from the	West	line	
Ground Level Elev.	Producing For		P∞I				Dedicated Acreage:	
5062	Pictur	ed Cliffs					158.79	Acres
1. Outline the		ed to the subject						ork in a
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 interests of all owners been consolidated by communitization, unitization, force-pooling. etc?								
Yes	No If an	swer is "yes," type	ot consol	idation				
If annuar :	e "no" liet the	where and trant da	ecrintiana	which have as	tually ha	en consolid	ated. (Use reverse's	ide of
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	necessary.)	21 .11 .11	. 11		1 . 3	J /L		atio-
	_						munitization, unitiza	
•	ing, or otherwise)	or until a non-stand	ard unit, e	iliminating suc	n interes	is, has been	approved by the Co	mm1 <b>5</b> -
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		21			<b>-</b> /			
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wi	1	1		1		t	this plat was plotted from	
	1			1		1	actual surveys made by	
	1			1 2005	FFE	1	supervision, and that the	
	1			1 /856	FEE WAY	V	and correct to the best	of my
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		EXHIBIT "A	.''					

DEPCO, Inc. Federal No. 14-31 SW1SW1, Sec. 31-T27N-R11W San Juan County, New Mexico Lease No. NM-03523

- 1. Surface formation Wasatch of Tertiary Age
- 2. Estimated geologic tops: Pictured Cliffs 1582' KB.
- 3. Anticipated depth of oil, gas, water or other mineral-bearing formations: Coal - 1558' KB Gas - 1582' KB
- 4. Proposed casing program:

```
Surface - 8-5/8" 24# K55 STC 0' - 120'
Production - 4-1/2" 10.5# K55 STC 0' - 1810'
```

- 5. Operators minimum specification for pressure control equipment requires a 10" - 3000 psi single hydraulic blowout preventor. The BOP will be hydraulically tested to full working pressure after nippling up surface pipe and after any use under pressure. Pipe rams will be operationally checked each 24 hour period. The blind rams and annulus preventor will be checked each time pipe is pulled out of the hole. All testing will be recorded on the daily drilling sheets. Accessories to the BOP will include upper and lower kelly cocks, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.
- 6. Proposed mud program:

```
WT.
DEPTH
             TYPE MUD
                                      VISC.
  0' - 1700'
             Inhibited water to control heaving shales
1700' - 1810'
              Gel
                             9.8 40-50
```

- 7. Auxiliary equipment will consist of:

  - a. Kelly cockb. Float above bit
  - c. Visual monitoring of mud tanks
  - d. Sub with valve to fit drill pipe and collars
- 8. No coring or drill-stem tests are planned.

The anticipated logging program is as follows:

```
DIL - Surface pipe - TD CNL-FDC w/Gr - Surface pipe - TD
```

Casing will be set and perforated in the Pictured Cliffs formation. The perforated section will be treated with a 60,000 lb foam frac. Tubing will be run and the well cleaned up and tested.

- 9. No abnormal pressures or temperatures, hydrogen sulfide or other hazards are expected or known to exist at these depths in this area.
- 10. The anticipated starting date is during late summer or early fall 1980 depending upon rig availability. Drilling operations should be completed within four days and completion operations are anticipated to require an additional five days.

Ten Point Compliance Program

#### EXHIBIT "D"

## Multipoint Surface Use and Operations Plan

## l. Existing Roads:

- A. The proposed well site is shown on Exhibit "A".
- B. Exhibit "E" shows the existing access roads to the proposed location. The site is located 11 miles south of Bloomfield on State Highway 44, then 5 miles southwest, then 1½ miles northwest, ½ mile northeast to the location.
- C. Final access roads into the site are coded green.
- D. This well is classfied as development and roads are shown on Exhibits "E" and "F".
- E. The existing gravel roads will be maintained during the drilling phase of this well. No improvements are planned.

# 2. Planned Access Roads:

- (1) Width will not exceed 20 feet.
- (2) Maximum grades will not exceed 5%.
- (3) No turnouts are to be constructed.
- (4) No additional drainage construction is deemed necessary other than minor ditching.
- (5) No culverts, cuts, or fills are required.
- (6) The use of surfacing material is not planned at this time.
- (7) No gates, cattleguards, or fence cuts are necessary.
- (8) The new access road into the location is flagged.

## 3. Location of Existing Wells:

All existing wells are shown on Exhibit "F".

- (1) Water wells No shallow, domestic nor deep, high-volume wells are known to be in the immediate area.
- (2) Abandoned wells none
- (3) Temporarily abandoned wells none
- (4) Disposal wells none
- (5) Drilling wells none
- (6) Producing wells as shown on Exhibit "F"
- (7) Shut in wells none
- (8) Injection wells none
- (9) Monitoring or observation wells for other resources none

# 4. Location of Existing and/or Proposed Facilities:

- A. Existing facilities owned or controlled by operator with a one-mile radius of this location.
  - (1), (2), (3), (4), (5), and (6) There are no tank batteries, production, oil, gas, injection, disposal, or other producing facilities owned or controlled by DEPCO, Inc. within one mile of the location.

- Proposed facilities in the event of a producing well are shown on Exhibit "H".
- (1), (2) As shown on Exhibit "H".
- Area to be used will be levelled. Native material will be used
- in the construction of the location.
- livestock, wildlife, and waterfowl. The pit will be fenced and flagged to discourage the entry of (Đ)
- manner described in Item 10. All disturbed areas not needed for operations will be rehabilitated in the
- Location and Type of Water Supply:
- Water will be obtained from the San Juan River or purchased from private sources.
- Water will be hauled by truck.
- No water well will be drilled on the lease.

# Source of Construction Materials:

A, B, C, and D - No construction material is needed except as previously noted.

- Any materials required will be purchased from private sources.
- Methods for Handling Waste Disposal:
- Drill cuttings will be buried in the reserve pit. (I)
- Drilling fluids will be placed in the reserve pit and (2)
- (3) allowed to evaporate.
- Sewage will be contained and a suitable chemical will be used to (ħ) in a test tank. Produced fluids such as oil and formation water will be collected
- (5) decompose waste.
- (9) burned and later buried. Garbage and other waste material will be placed in a trash pit and
- which time it will be backfilled. in the trash pit. The reserve pit will be fenced until dry at Upon completion of drilling, all trash and litter will be buried

#### Ancillary Facilities: .8

No camps or airstrips are planned.

#### Well Site Layout: • 6

- See Exhibit "G" (I)
- See Exhibit "H" (2)
- See Exhibit "H" (2)
- (ħ)
- The reserve pit will be unlined.

### 10. Plans For Restoration of Surface:

- (1) All topsoil that is stripped and stockpiled will be replaced and the site will be backfilled, levelled, and contoured. Waste will be buried or hauled away upon completion of drilling.
- (2) Rehabilitation will consist of respreading and contouring stockpiled topsoil. Revegetation will consist of seeding with mixture as specified by BLM or landowner. If the well is dry, a dry hole marker will be erected, and the access road will be plowed, ripped, and reseeded as requested.
- (3) Prior to rig release, the reserve pit will be fenced and so maintained until the pit is dry enough to backfill.
- (4) If oil is in the reserve pit, it will be removed or the pit will be flagged to discourage livestock, wildlife, and waterfowl from entering the area.

## 11. Other Information:

- (1) The topography of the area generally slopes toward Gallegos
  Canyon approximately four miles in a southwesterly direction.
  The surface soils contain sand and shale of the Wasatch formation. Vegetation is comprised of grass, sagebrush, and rabbit brush.
- (2) The area is occasionally used for cattle grazing. The surface owner of record is: Navajo Tribe in Trust U.S.A.

Drawer "E"

Window Rock, Arizona 86515

The Bureau of Indian Affairs has included this area within the Navajo Indian Irrigation Project. In order to avoid interference with sprinkler operation, the wellhead and adjacent facilities will conform to N.I.I.P. requirements.

(3) The nearest known water source is the San Juan River north of this location. The nearest occupied dwelling is a Navajo Hogan in the NE<sup>1</sup>/<sub>4</sub>, Sec. 1-T26N-R12W, approximately one-half mile to the SW of this location. No archeological, historical, or cultural sites exist in the immediate area.

### 12. Lessee's or Operators Representative:

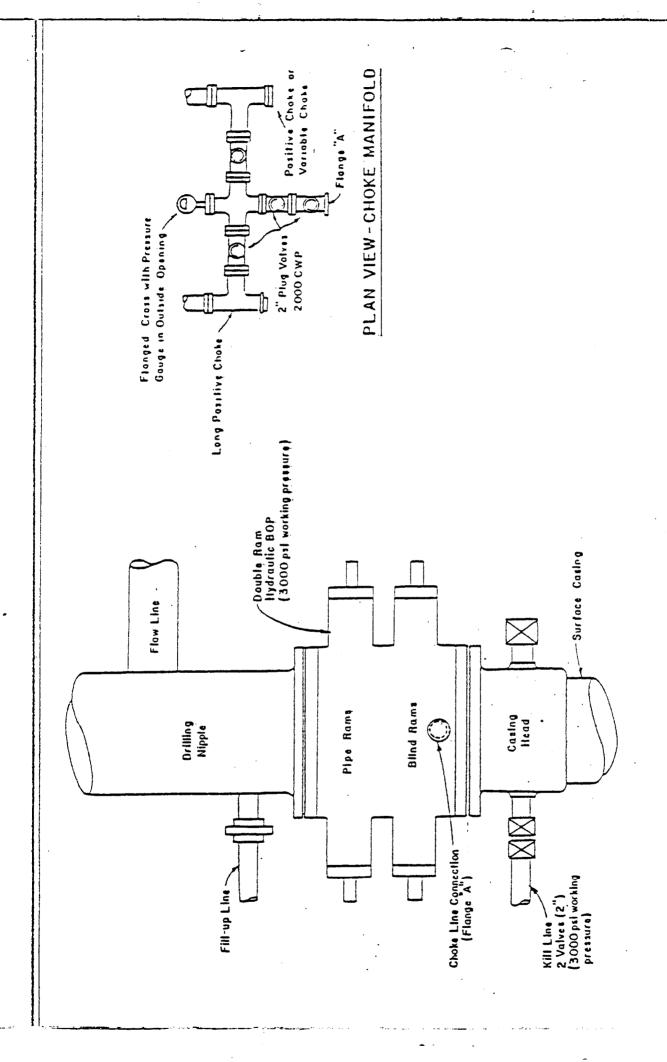
- (1) Mr. Fred Crum
  Box 400
  Aztec, New Mexico 87410
  (505) 334-6003
- (2) Mr. W. F. Schwenn
  DEPCO, Inc.
  1000 Petroleum Building
  Denver, Colorado 80202
  (303) 292-0980

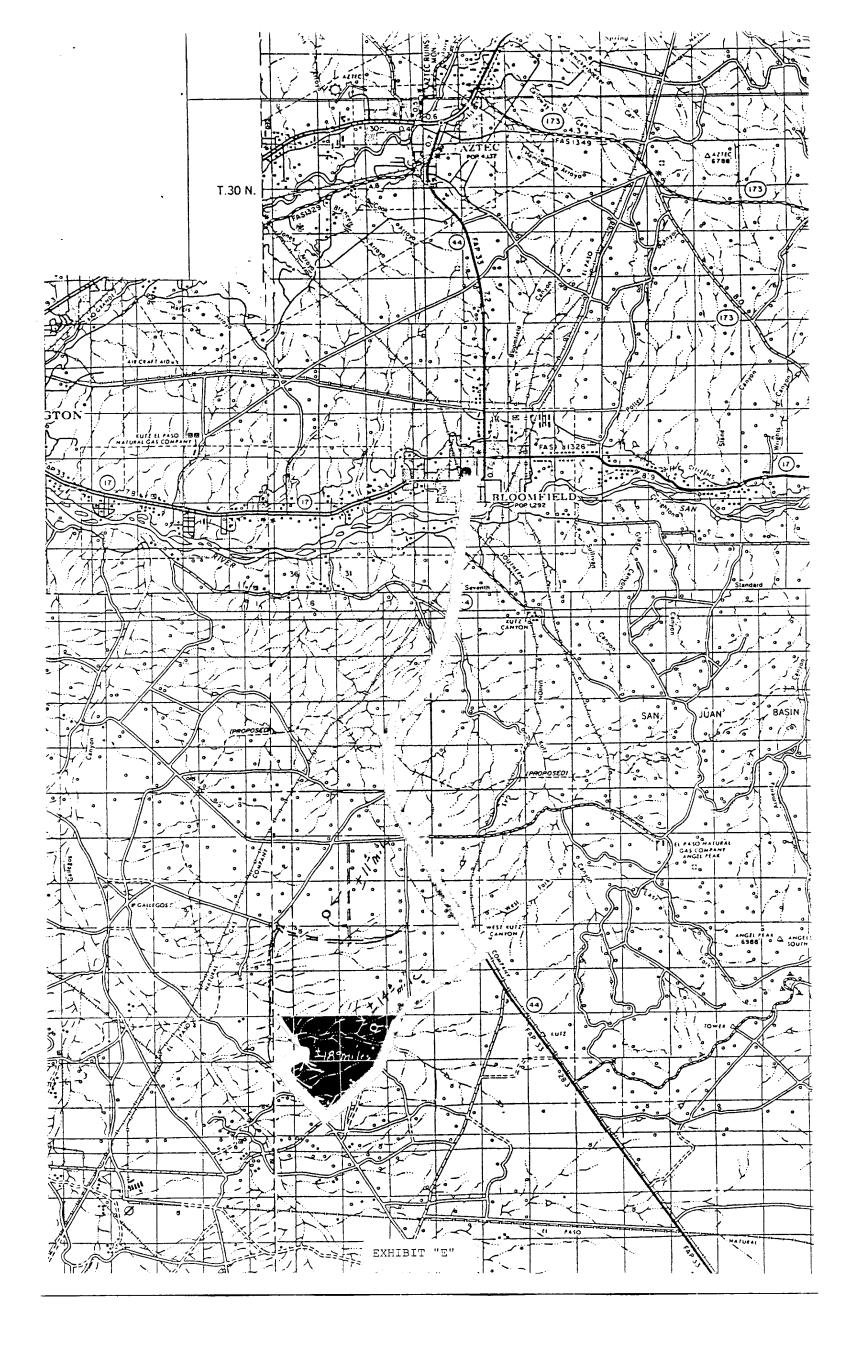
13. Certification

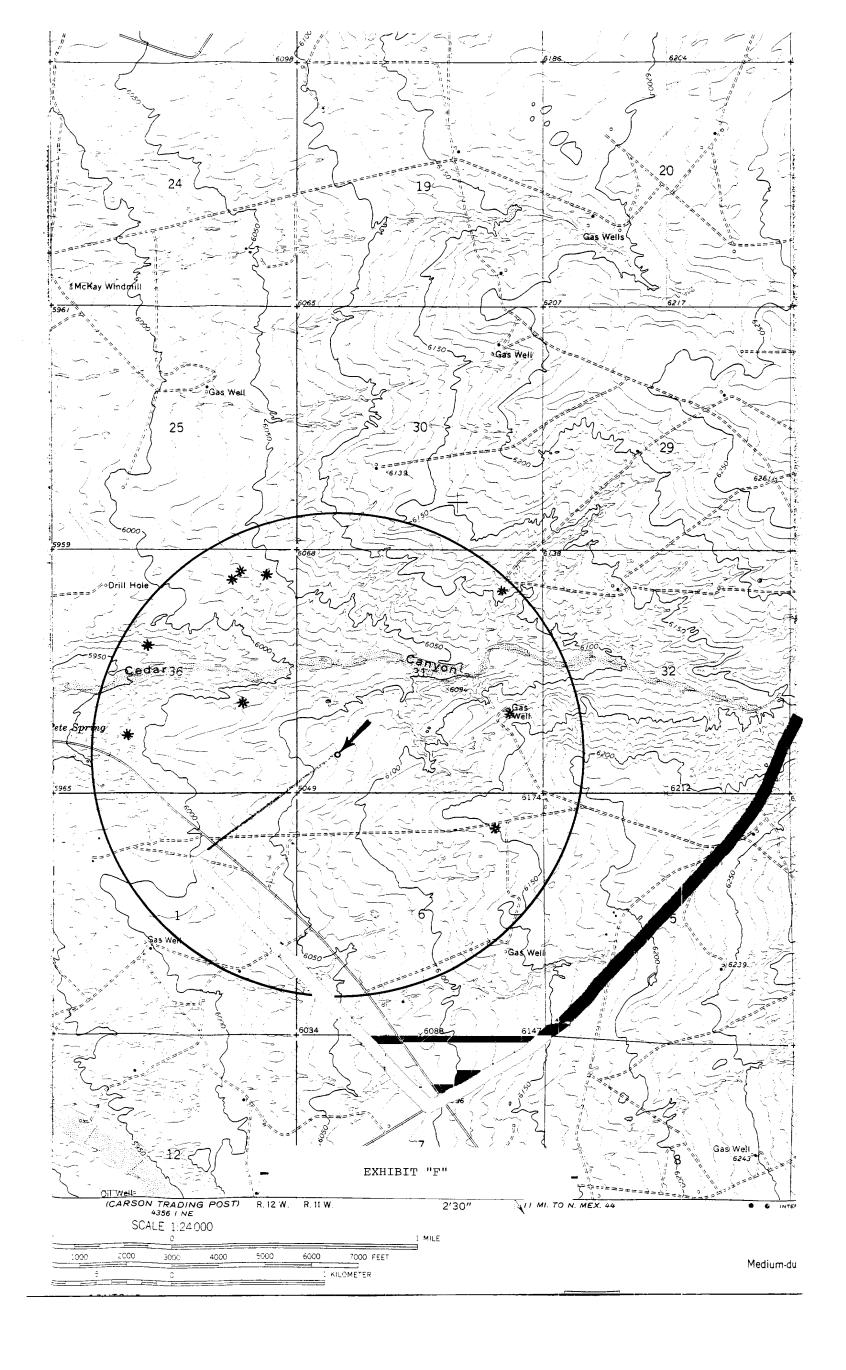
I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by DEPCO, Inc. and its' contractors in the conformity with this plan and the terms and conditions under which it is approved.

Min G. Duramin

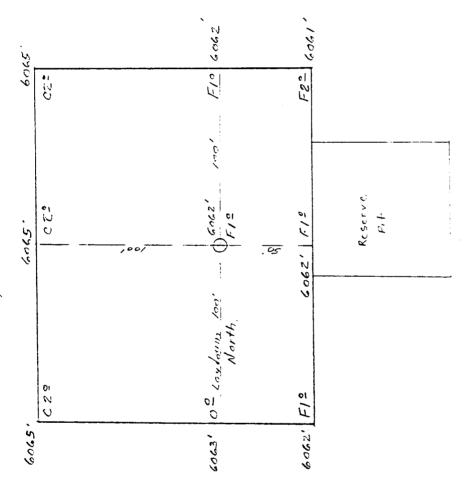
3-17-80 Date





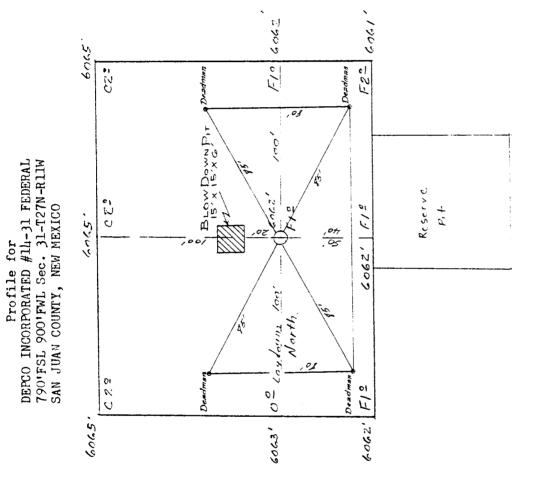


Fred B. Kerr Jr. March 7, 1980

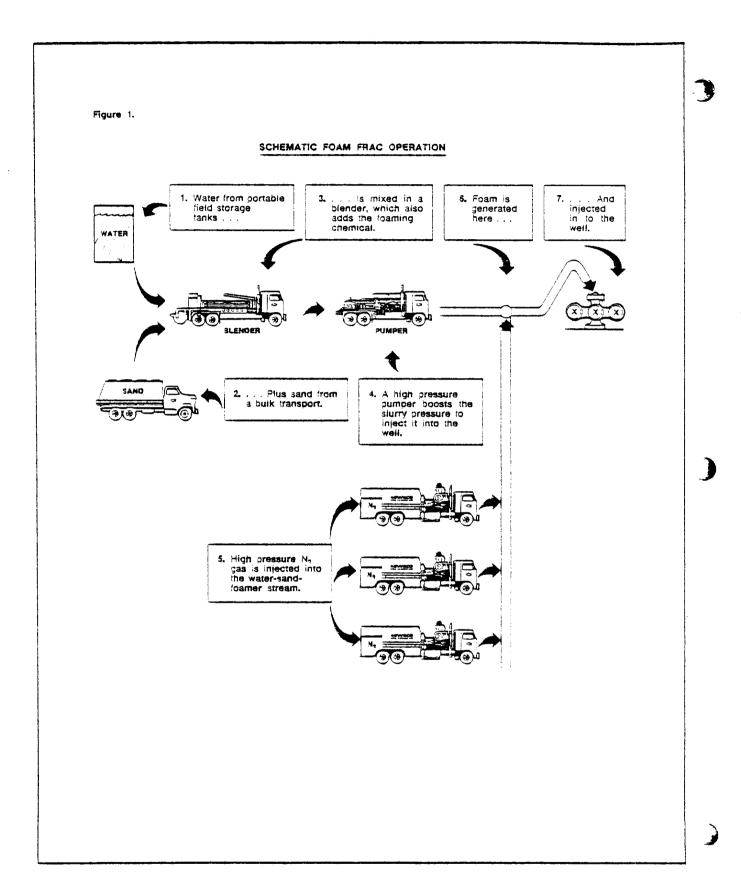


Profile for DEPCO INCORPORATED #14-31 FEDERAL 790'FSL 900'FWL Sec. 31-T27N-R11W SAN JUAN COUNTY, NEW MEXICO

Fred B. Kerr Jr. March 7, 1980



1"= 50





IN REPLY REFER TO: H24(SWR)PF

# United States Department of the Interior

NATIONAL PARK SERVICE

SOUTHWEST REGION P.O. Box 728 Santa Fe. New Mexico 87501

NOV 13 ST



Mamorandum

Project Manager, Bureau of Indian Affairs, N.I.I.P., Farmington, New Mexico

Attention: Al Keller

From:

"ACTING"
Supervisory Archeologist, Branch of Indian

Cultural Resources, Southwest Region

Subject: Archeological Clearance Procedures for Oil and Gas Activities within the N.I.I.P., San Juan County,

New Mexico

File 92

In order to provide expeditious approval of oil and gas activities previously cleared on portions of Blocks II-V of the N.I.I.P., separate clearance letters will not be required for individual drilling projects. However, documentation which provides the project sponsor, well name, legal description, project dimensions and a project map depicting the well site and access right-of-way will be required by this office for verification to ensure that previously uncleared project areas and cultural resources are not inadvertently impacted. Special caution should be exercised to avoid the following areas in Blocks III-V that have not yet received archeological clearance. Clearance recommendations will be made for these tracts pending completion of the respective data recovery programs for Blocks III, and IV-V. These areas are also delineated in the enclosed correspondence.

Block II: No areas reserved.

Block III:

( -- )

H-21-37

SE's, SE's, NE's and NE's, NE's, SE's of Section 14, T28N,R15W

SE' & SW', SW', NW' and SW, NW and NE'2, NW'2, SW'2, Section 15, T28N,R15W

UTM Zone 12 4057880N and 731730E

Tyr G. Biledal

Blocks VI & V:	LA 17483 (H-25-169)		NW4, NEW and W2, W2, NEW, NEW, Section 33, T27N, R11W
	LA 17584 (H-40-61)		S12, N12, S14, NE14 and N14, S12, S12, NE14, Section 9, T25N, R12W
·	LA 3379 (H-25-122)	ve	SEW, SEW, SWW, NWW, and SWW, SWW, SEW, NWW, SWW, NEW, NEW, NWW, SWW, And NWW, NWW, NEW, SWW, Section 32, T28N, R11W
	LA 5714 (H-39-1)		NPa,NEMa, Section 17, T26N,R12W
	LA 17515 (H-39-19)		타, SWA, SEW, Section 32, T26N,R12W

However, Block I of the N.I.I.P. has not been previously cleared by this office due to the absence of an adequate cultural resource survey and data recovery program. Thus, any new earth-modifying activities planned for Block I are subject to the required archeological survey and clearance procedures in accordance with 36 CFR 800.

If you have any additional questions concerning these procedures, you may contact me or Steve Hallisy at (505) 982-6561.

Enclosure