#3 - Existing and planned access road w/location.

#4 - One - half mile radius map with attatchment: #5 - Proposed production facilities layout.

#6 - Proposed drilling rig layout.

4-9.93 NEURIN ANTI

Gas is not dedicated.

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.

R. O Vince
8IGNED T
The last office use

Drilling Superintendent

DATE Jan. 28, 1993

(This space for Federal or State office use)

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:

(ORIG.	SGD.)	RICHARD	L.	MANUS
OVED BY				

AREA MANAGER

MAR 3 1 1993 DATE

TILE

State of New Mexico nergy, Minerals and Natural Resources Depart :

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<u> </u>					Lease				Well No.
MEWBOURNE OIL COMPANY					CHALK	BLUFF 35	2		
t Letter Section Township					Range			County	
ier S	35			SOUTH		7 EAST	NMPM	E	DDY
- 1									
Footage Location		NT/OT	RTH .	•:-	16	550	feet from	the :	WEST line
1980	eet from th	Producing		1110	e and Pool				Dedicated Acreage:
level Elev.	'			**	1 -	ois Camp Mo	rrow Nort	h .	320 Acres
3581		Morro)W	ot mall by cole	red pencil or hachu	re marks on the pla	t below.		
2. If more to	han one lea han one lea n, force-po	use is dedicate of differential etc.	cated to the creat owners?	well, outline e	ach and identify the	ownership thereof the interest of all or	(both as to working where been consoled Community	idated by izati	communitization,
O.	Yes No all line of		No	ar answer is escriptions whi	ch have actually be	n consolidated. (U	se reverse side of		
this form if	DOCCERRATY	ne owners						<u> </u>	- N otherwise)
Nto allowed	to will be a	resigned to	the well u	ntil all interestr	have been consolid	lated (by communit	ization, unitization	ı, forced-j	cooling, or otherwise)
or until a n	on-standard	l unit, elim	inating suc	h interest, has	been approved by the	e Division.	·		
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		V				ļ		SUI	VEYOR CERTIFICATION
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DRILLING PROGRAM

Attatched to Form 3160-3 Mewbourne Oil Company Chalk Bluff "35" Federal #2. Lease # LC-050158 Unit Letter "F" 1980' FNL & 1650' FWL Section 35 - T17S - R27E Eddy County, New Mexico

1. Geologic Name of Surface Formation:

Permain ;

2. Estimated Tops of Important Geologic Markers:

Surface
N/A
470'
1,034'
1,346'
1,833'
N/A
5,380'
N/A
6,644'
7,602'
8,808'
9,393'
9,696'
10,024'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Grayburg 1,346' San Andres 1,833' Abo 5,380' Wolfcamp 6,644' Cisco/Canyon 7,602' Atoka 9,393' Morrow 9,696'	Fresh Water Oil Oil Oil Oil Oil Gas Oil Gas Gas Gas
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No other formations are expected to contain oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 13 3/8" surface casing at 400' and circulating cement back to the surface. Troublesome shallow oil zones (zones less than 2600' in depth) will be cased off with 9 5/8" intermediate casing and cement will be tied back into the surface casing. Any zones below intermediate casing setting depth and above TD which contain commericial quantities of oil and/or gas will have cement circulated across them by inserting a cementing stage tool (D. V. Tool) into the 5 1/2" production casing which will be run to TD.

4. Casing Program:

Hole Size 17 1/2" 12 1/4" 8 3/4"	Interval OD csg. 0 - 400' 13 3/8" 400-2600' 9 5/8" 2600-10,300' 5 1/2" (see schedule #1)	<pre>Wt.,Grade, Cond. 48.0#,LS new stc 36#,LS new stc 17#, used, N-80 & S-95, LTC 8-RD.</pre>
----------------------------------	--	---

Cement Program:

13 3/8" surface casing:

Cemented to surface with 200 sacks of Class "C" Lite containing 10#/sack Gilsonite + 1#/sack cellophane flakes + 3% CaCL2 + 200 sacks of Class "C" Neet + 3% CaCL2.

9 5/8" Intermediate casing:

Cement tied back into the surface casing with 800 sacks of Class "C" Lite containing 5#/ sack Gilsonite + 1#/sack cellophane flakes + 2% CaCL2 followed by 200 sacks of Class "C" Neet containing 3% CaCL2.

5 1/2" production casing:

Cemented with 700 sacks of Class "H" containing .7% fluid loss additive + .3% friction reduction additive + 5# compressive strength enhancer + 5% KCL. This cement slurry is designed to bring the TOC to approximately 7500'. Shallower productive zones will be cemented by

placing a D.V. tool below the zones of interest if necessary and cementing with a "Lite" slurry of cement with necessary additives.

Mewbourne Oil Company reserves the right to change the cement types and volumes depending on hole conditions encountered during drilling operations. This area has possible severe loss cirulation problems and if encountered may dictate a change in cement types and volumes.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #2 will consist of a double ram-type (5M psi WP) preventer and a bag-type (Hydril) preventer (5M psi WP). units will be hydraulically operated and the ram-type preventer will be equipped with blind rams on bottom and and 4 1/2" drill pipe rams on top. A bag-type (Hydril) preventer (3M psi WP) will be installed on the 13 3/8" surface casing and will be used to drill the intermediate This Hydril is capable of closing on any size hole. drill pipe or drill collar and also is capable of completely sealing off if nothing is in the preventer. Both BOP'S will be used on the production portion of the hole until TD is reached. The Hydril will be tested to 1,000# psi before drilling out of surface casing. fore drilling past the Wolfcamp zone, the ram-type BOP and accessory equipment will be tested to 3,000# psi and the Hydril preventer will be tested to a pressure of (1500# psi). Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and 4" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor saftey valve (inside BOP) and choke lines and choke manifold with 5000# psi upstream WP. A rotating drilling head will also be utilized on the BOP stack from the top of the Wolfcamp zone to TD.

See also EXHIBITS 2A, 2B, and Attatchment sheet.

6. Types and Characteristics of the Proposed Mud System.

The well will be drilled to TD with a combination of fresh and cut brine mud system. The applicable depths and properties of this system are as follows:

Weight Viscosity Waterlo	. 1
Depth Type (ppg) (sec.) (cc's	
0-400' Fresh Wtr.(spud) 8.5 35-45 N.C.	
400-2600' Fresh water 8.5 28-30 N.C.	
2600-9000' Cut Brine 8.8-9.3 28 N.C.	
9000-TD Cut Brine 9.3-9.7 32-36 <10	

Sufficient mud materials to maintain mud properties and meet minimum loss circulation and weight increase requirements will be kept at the wellsite at all times.

7. Auxidiary Well Control and Monitoring Equipment:

- (A.) A kelly cock will be kept in the drill string at all times.
- (B.) A full opening drill pipe stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C.) An electronic pit-volume-totalizer system (PVT) will be used continously below the Wolfcamp zone to monitor the mud and pump system. The drilling fluids system will also be visually monitored at all times.
- (D.) A mud logging unit will be continously monitoring drilling penetration rate and hydrocarbon shows from the Wolfcamp zone to TD. A company geologist will monitor drilling penetration rate and hydrocarbon shows from 800' to the top of the Wolfcamp.

Logging, Testing and Coring Program:

- (A.) Drillstem tests will be run on the basis of shows while drilling.
- (B.) The electric logging program will consist of GR-Dual Laterolog-Micro Guard from TD to intermediate casing and GR-Spectral Density Dual Spaced Neutron from TD to surface.
- (C.) No cores either conventional or sidewall are anticipated.

(D.) Further testing procedures will be determined after production casing/liner has been cemented at TD based on drill shows, log evaluations, and drill stem test results.

9. <u>Abnormal Conditions, Pressures, Temperatures, & Potential</u> Hazards:

No approximate pressures or temperatures are anticipated. The estimated bottom hole temperature (BHT) at TD is 165 degrees F and estimated maximum bottom hole pressure (BHP) is 3600# psig. No Hydrogen Sulfide or other halardous yases or fluids have been encountered, reported, or known to exist at this depth in this area. Some major loss circulation zones have been encountered in off-setting wells.

10. Anticipated Starting Date and Duration of Operations:

Road and location work will not begin until approval has been recieved from the BLM. The anticipated spud date is March 1, 1993. Actual spud date will depend on the availability of contractors' rig. Once spudded, the drilling operation should be finished in approximately 40 days. If production casing/liner is run, an additional 30 days will be required for completion and testing.

SURFACE USE AND OPERATING PLAN

Attatched to Form 3160-3
Mewbourne Oil Company
Chalk Bluff "35" Federal #2.
Lease # LC-050158
Unit Letter "F"
1980' FNL & 1650' FWL
Section 35 -T17S -R27E
Eddy County, New Mexico

1. Existing Roads:

- A. The well site and elevation plat for the proposed well is shown in Exhibit #1. The communitized acreage is outlined in green.
- B. All roads to the location are shown in Exhibit #3. The existing roads are illustrated in pink and are adequate for travel during drilling and production operations. Upgrading of the road prior to drilling will be done where necessary as determined by our on-site inspection.
- C. From the intersection of U.S. Highways 285 & 82 in Artesia, New Mexico; proceed east on U.S. 82 for nine miles. Turn right (south) on Eddy County Road #204 and proceed 1/10 of a mile. Turn right (west and south) on Eddy County Road #225 and proceed one and one-quarter miles. Turn right (west) on caliche lease road and proceed one-quarter of a mile to the location.
- D. Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

2. Proposed Access Road:

Exhibit #3 shows the necessary amount of new road to be constructed and is illustrated in yellow. The road will will be constructed as follows:

A. The maximum width of the running surface will be 15'. The road will be crowned and ditched and constructed of 6" rolled and compacted caliche. Ditches will be at 3:1 slope and 4' wide. Water will be diverted where necessary to avoid ponding.

prevent erosion, maintain good drainage, and to be consistent with local drainage patterns. BLM may specify any additions or changes during the onsite inspection.

- B. The average grade will be less than 3%.
- C. No turnouts are planned.
- D. No culverts, cattleguards, gates, low-water crossings, or fence cuts are necessary.
- E. Surfacing material will consist of native caliche. Caliche for surfacing material should come from the location itself. In the event surfacing material is not available from the location, caliche will be obtained from the nearest pit available whether that pit is on private, state, or a BLM approved pit.
- F. The proposed access road as shown in Exhibit #3 has been centerline flagged by the surveyors.

Location of Existing Wells:

Exhibit #4 with attatchment shows wells within a one-half mile radius of the proposed well and lists them.

4. Location of Existing and/or Proposed Facilities:

- A. No existing facilities are where the proposed well is staked. (See Exhibit #5)
- B. If the well is productive, contemplated facilities will be as follows:
 - (1.) <u>Gas Well Completion:</u> Production equipment necessary for a gas well production will consist of a 500MM BTU, 3 phase gas production unit, a 210 bbl. fiberglass water tank, and a 300 bbl. steel production tank.
 - (2.) Any additional caliche required for firewalls or tank pads will either come from the location itself or from other sources cited in item #2, subparagraph "E".
 - (3.) No power will be required if the well is productive of gas. However, if productive of oil, it may be necessary to run an electric power line down existing road R-O-W.

- If productive () ratural gas, it will be neccessary to lay a natural gas pipeline to an existing natural gas sales line in the immediate area. Securing of all necessary R-O-W across BLM land will of course be handled through the proper BLM departments and approved prior to any construction of said line.
- C. If the well is productive, rehabilitation plans are as follows:
 - (1.) The reserve pit will be back-filled after the contents of the pit are dry (within 180 days after the well is completed).
 - (2.) Within 90 days of completion of drilling and/ or completion operations, all equipment not needed for producing operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in an asthetically pleasing condition as is reasonably possible.
 - (3.) All production facilities left on location will be painted to conform with BLM painting stipulations within 180 days of completion.

5. Location and Type of Water Supply:

The well will be drilled with a combination brine and fresh water mud system as outlined in the drilling program. The water will be obtained from commercial water stations in the area and hauled to the location by transport trucks over the existing and proposed road system in Exhibit #3.

6. Source of Construction Materials:

All caliche required for construction of the drill pad and repair of existing roads will hopefully be obtained from the drill site itself. In the event caliche for the drill pad is not available at the drill site, caliche will be obtained from either a private, state or BLM approved pit depending on what type of pit is closest. In the event caliche is obtained from a BLM approved pit, it will be BLM pit # (no BLM pit use is anticipated). All roads and pad will be constructed with 6" of rolled and compacted caliche.

7. Methods of Handiing Water Disposal:

- A. Drill cuttings not retained for evaluation purposes will be disposed of in the reserve pit.
- Drilling fluids will be circulated through the В. earthen, lined reserve pit. The pit will also contain any excess drilling fluid or flow from the well during drilling, cementing, and completion operations. The reserve pit will be an earthen pit, approximately 125' X 125' X 6' deep and fenced on It will be fenced three sides prior to drilling. on the fourth side immediately following removal of the rig. The reserve pit will be plastic-lined (5-7 mil thickness) to minimize loss of drilling fluids and saturation of the ground with cut-brine water. After mudding-up, drilling fluids will be circulated through steel drilling pits and the cutting disposed of in the reserve pits.
- C. Water produced from the well during completion may be disposed of in the reserve pit. After the well is permanently placed on production, produced water will be collected in tanks (fiberglass or steel) and held until hauled by transports to a BLM approved disposal. Produced oil/condensate will be collected in steel tanks and held until sold.
- D. Garbage and waste material produced during drilling operations will be collected in a trash container and disposed of in an approved sanitary landfill. All water and fluids will be disposed of into the reserve pit. Salts and other chemicals produced by drilling/completion operations will be disposed of in the reserve pit. No toxic waste or hazardous chemicals will be produced by this operation.
- E. After the rig is moved out and the well is either completed or abandoned, all waste materials will be cleaned up within 90 days. No adverse materials will be left on the location. The reserve pit will be completely fenced and kept closed until it has dried out. When the reserve pit is dry enough to breakout and fill and, as weather permits, the pit site will be leveled and reseeded as per BLM stipulations. In the event of a dry hole, only a dry hole marker appropriately inscribed will remain.

8. <u>Ancillary Facilities:</u>

No airstrip, campsite, or other facilities will be built as a result of the operations on this well.

9. Well Site Layout:

- A. The drill pad layout is shown in Exhibit #6.
 Dimensions of the pad and pits and location of major rig components are shown. Because the site is almost level, no major cuts or fills will be required.
- B. Exhibit #6 shows the planned orientation for the rig and associtated drilling equipment, reserve pit, DST pit, pipe racks, and access road. No permanent living facilities are planned but a temporary engineer/toolpusher's facility will be on location during the drilling operations.
- C. The reserve pit will be lined with a high quality plastic sheeting (5-7 mil thickness).

10. Plans for Restoration of the Surface:

A. Upon completion of the proposed operations, if the well is to be abandoned, the location and road will be ripped up and reseeded per BLM stipulations. The reserve pit area, after allowing to dry, will be broken out and leveled. The entire location will be leveled and contoured to as nearly the original topography as reasonably possible.

All trash, garbage and pit lining will be buried or hauled away in order to leave the location in an asthetically pleasing condition as reasonably possible. All pits will be filled and the location leveled within 180 days after abandonment.

B. The disturbed area will be revegetated by reseeding during the proper growing season with a seed mixture of native grasses as stipulated by the BLM.

- C. Three sides of the reserve pit will be fenced prior to and during drilling operations. At the time that the rig is removed, the reserve pit will be fenced on the fourth side to prevent livestock from being entrapped. The fencing will remain in place until the pit area is cleaned up and leveled.
- D. Upon completion of the proposed operations, if the well is completed, the reserve pit area will be treated as outlined above within the same prescribed time. Any additional caliche required for production facilities will be obtained from the same source described in the location construction paragraph.

11. Surface Ownership:

The wellsite and lease is located entirely on BLM land.

12. Other Information:

- A. The area around the well site is mixed desert scrub/ grassland and the top soil is made up of silty clay loams and clay loams. The vegatation is made up of javelina bush, all thorn, creosote bush, plains yucca, mesquite, thread-lead groundsel, wavy-leaf thistle, desert holly, six weeks gramma and poverty threeawn.
- B. There is no permanent or live water in the immediate area.
- C. A Cultural Resources Examination has been requested and will be forwarded to your office in the near future.

13. Lessee's and Operator's Representative:

The Mewbourne Oil Company representative responsible for assuring compliance with the surface use program during drilling operations is:

W. A. (Bill) Pierce, Drilling Superintendent Mewbourne Oil Company 701 South Cecil Street P. O. Box 5270 Hobbs, New Mexico 88241 Phone: 505 393-5905 (office) 505 392-8859 (home)

The Mewbourne Oil Company representative responsible for assuring compliance with the surface use program during completion and producing operations is:

Brent Thurman, Production Superintendent
Mewbourne Oil Company
701 South Cecil Street
P. O. Box 5270
Hobbs, New Mexico 88241
Phone: 505 393-5905 (office)
505 392-7754 (home)

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 currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by Mewbourne Oil Company and its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: January 28, 1993

Signed:

Kelly Ryan District Superintendent Mewbourne Oil Company 701 South Cecil Street P. O. Box 5270 Hobbs, New Mexico 88241 505 393-5905

		E: CHALR ELITE "35" FED. #2 TYPE OF CSG STRING:			TRING: 1	PRODUCTION		
-	II Proper Language				DEPTH OF CSG:		10,300	
LEG	ALS:	SEC 35-1						
	ING MINIMUM PERFORM	AANGE PRO	PENILES	K-FACTOR	COLLAPSE	BURST	TENSION	
	CSG TYPE	_		1,017,210	8580	9190	392000	
_	5 1/2" 17# S-95 LT&C			844,000	6380	7740	348000	
	5 1/2" 17# N-80 LT&C			•	8580	9190	392000	
3	5 1/2" 17# S-95 LT&C			1,017,210				
4								
5			OF MEN					
	GRADE OF CASING:	85	OF NEW	•	COLLAPSE	BURST	TENSION	
	CSG TYPE	_			7293	7812	333200	
1	5 1/2" 17# S-95 LT&C				5423	6579	295800	
2	5 1/2" 17# N-80 LT&				7293	7812	333200	
3	5 1/2" 17# S-95 LT&	C			0	0	0	
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	FROM	100	-	17	100	1,700	175,100	
1	0	9,500		17	9400	159,800	173,400	
2	100	10,300		17	800	13,600	13,600	
3	9,500	10,300			0	0	0	
4	0				0	0	0	
5	0 ELLBORE CONDITIONS							
	UD WEIGHT:	9.6	PPG					
	DUYANCY FACTOR		(AIR =	1)				
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2	1030			5142	7293	4553	0	
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4 5		0		0	ERR	0	0	
FINIAL CASING DESIGN SAFTEY FACTORS								
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		FROM	TO	LENGTH	>1.125	>1.00	>2.00	
()	0	0	0	ERR	ERR	ERR	
	,)	0	0	0	ERR	ERR	ERR	
•	1/2" 17# S-95 LT&C	10,300	9,500	800	1.418	1.716	28.722	
	1/2" 17# N-80 LT&C	9,500	100	9400	1.125	1.567	2.000	
	5 1/2" 17# S-95 LT&C		0	100	114.677	176.731	2.231	

12 1/4" INTERMEDIATE HOLE

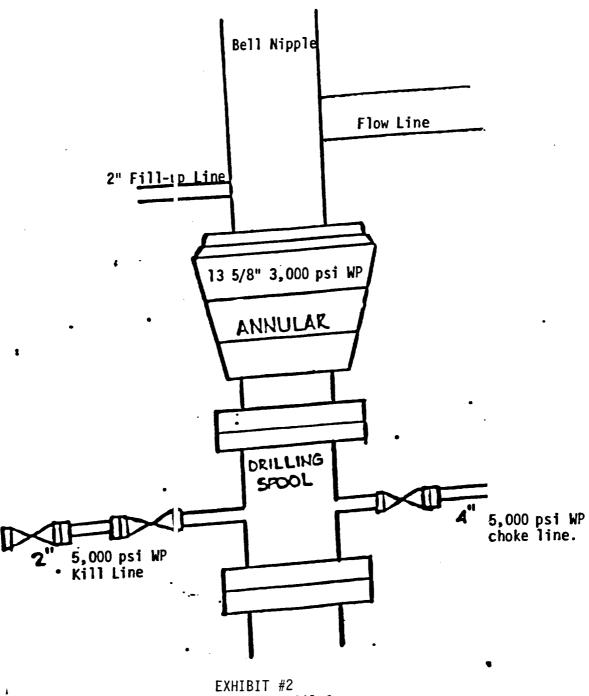


EXHIBIT #2
Mewbourne Oil Company
Chalk Bluff "35" Federal #2
1980' FNL & 1650' FWL
Section 35 - T17S - R27E
Eddy County, New Mexico
Lease # LC - 050158

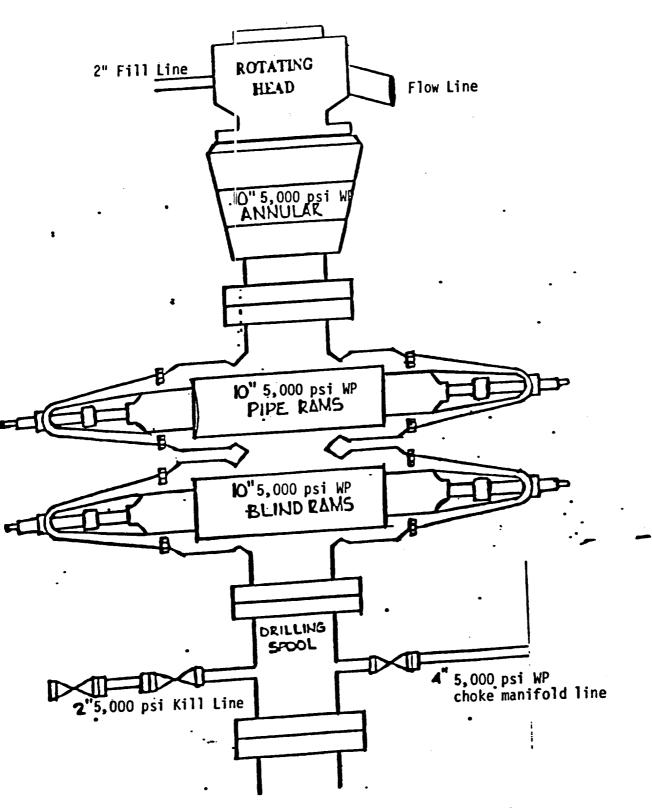


EXHIBIT #2A
Mewbourne Oil Company
Chalk Bluff "35" Federal #2
1980' FNL & 1650' FWL
Section 35 - T17S - R27E
Eddy County, New Mexico
Lease # LC - 050158

CHOKE MANIFOLD REQUIREMENTS (5,000 psi upstream WF)

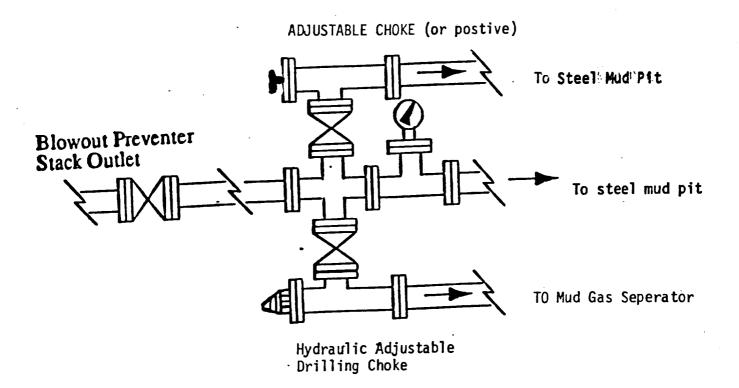


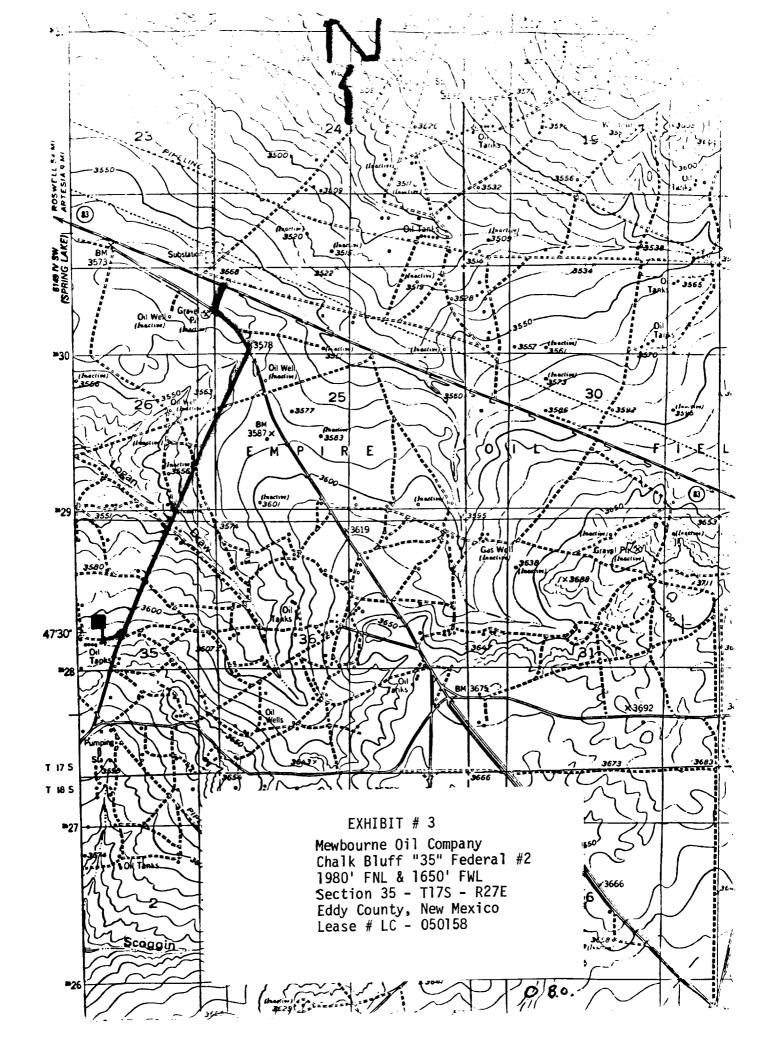
EXHIBIT # 2B
Mewbourne Oil Company
Chalk Bluff "35" Federal #2
1980' FNL & 1650' FWL
Section 35 - T17S - R27E
Eddy County, New Mexico
Lease # LC - 050158

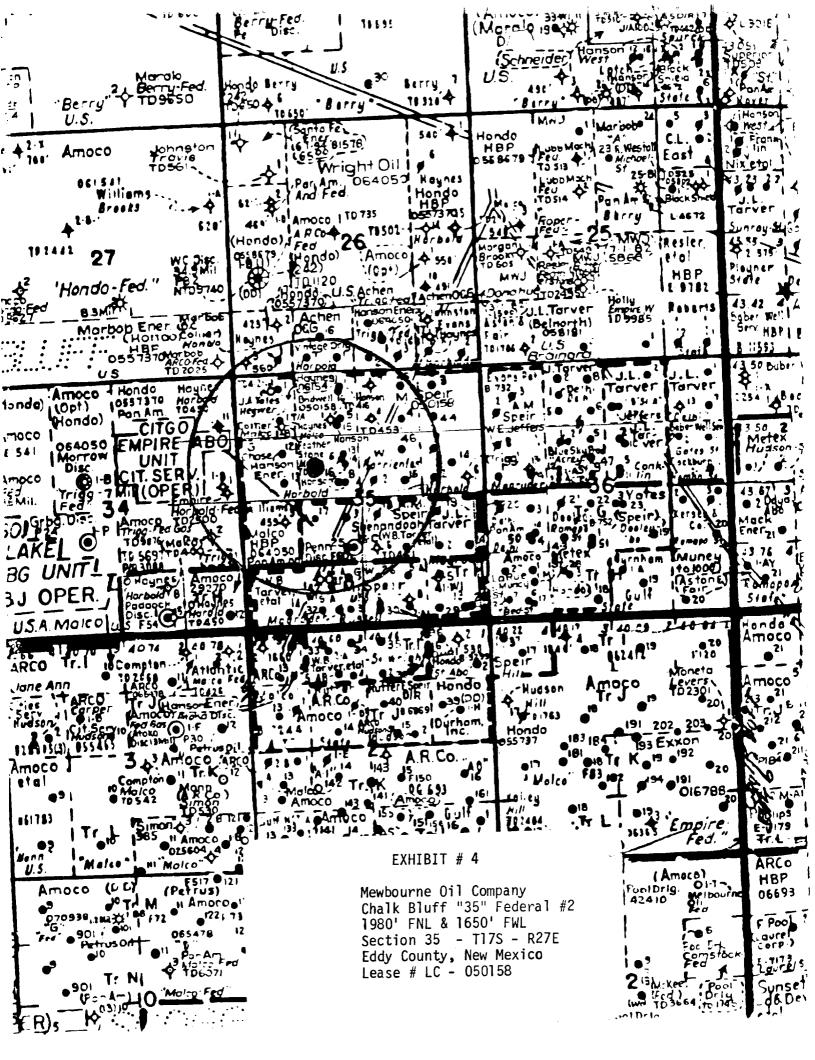
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ATTATCHMENT TO EXHIBIT #2

Notes Regarding The Blowout Preventers
Chalk Bluff "35" Federal #2
Lease # LC-050158
1930' FNL & 1650' FWL
Section 35 - T17S - R27E
Eddy County, New Mexico

- 1. Drilling nipple (bell nipple) to be so constructed that it can be removed without the use of a welder through the rotary table opening, with minimum I. D. equal to the preventer bore.
- Blowout preventer and all fittings must be in good condition, 3,000 psi W. P. minimum.
- 3. Saftey valve must be available on rig floor at all times with proper connections; valve to be full bore 3000 psi W. P. minimum.
- 4. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
- Kelly cock on kelly.
- Blowout preventer closing equipment to include minimum 40 gallon accumulator, two independent sources of pump power on closing unit, and meet all API specifications.





ATTATCHMENT TO EXHIBIT #4

Status of Wells Within One-Half Mile Radius
Chalk Bluff "35" Federal #2
Lease # LC-0050158
1980' FNL & 1650' FWL
Section 35 - T17S - R27E
Eddy County, New Mexico
January 1993

SECTION 35-T17S-R27E

Unit Letter "B"
S & J Operating South Red Lake Grayburg Unit #45
988' FNL & 1664' FEL Oil Well

Unit Letter "B"
S & J Operating South Red Lake Grayburg Unit #4
988' FNL & 1664' FEL Oil well

Unit Letter "C"
Hanson Enery
2310' FWL & 2310' FNL P & A

Hanson Energy Harbold #15 990' FNL & 2200' FWL Oil well

Hanson Enery Harbold #15 369' FNL & 2250' FWL Oil Well

Unit Letter "E"
Owen Haynes Harbold #13
2310' FNL & 990' FWL P & A

Unit Letter "F"
Hanson Energy
2310' FNL & FEL
Harbold Federal #3
Oil Well

James Warren Hanson Harbold Federal #14 1848' FNL & 2282' FWL Oil Well

Paul Slayton Harbold Federal #13 1650' FNL & 2310' FWL P & A

S & J Operating South Red Lake Grayburg Unit #6 1700' FNL & 2310' FWL Water Injection Well

S & J Operating South Red Lake Grayburg Unit #16 2310' FNL & 2310' FWL Oil Well

Unit Letter "G"
S & J Operating South Red Lake Grayburg Unit #15
2305' FSL 1664' FEL Oil Well

George H. Williams Barrientos #2 1320' FNL & 1320' FEL P & A

Unit Letter "H"
S & J Operating South Red Lake Grayburg Unit #7
1650' FNL & 990' FEL Water Injection Well

S & J Operating South Red Lake Grayburg Unit #14 2080' FNL & 560' FEL Oil Well

Unit Letter "I"
Cities Service Oil Co. Magruder "A" #2
1650' FSL & 990' FEL P & A

S & J Operating South Red Lake Grayburg Unit #19 2310' FSL & 990' FEL Water Injection Well

S & J Operating South Red Lake Grayburg Unit #24 1650' FSL & 330' FEL Oil well

Unit Letter "J"
Cities Service Oil Co. Magruder "A" #1
1650' FSL & 1650' FEL P & A

S & J Operating South Red Lake Grayburg Unit #18 2304' FSL & 2310' FEL Water Injection Well

Unit Letter "K"
Cities Service Oil Co. Magruder "A" #3
2310' FWL & 1320' FSL P & A

Cities Service Oil Co. Magruder "C" #15 2310' FWL & 1650' FEL P & A

S & J Operating South Red Lake Grayburg Unit #25 1703' FSL & 2310' FWL Oil well

Unit Letter "N"
Cities Service Oil Co. Russell "C" #5
990' FSL & 2310' FWL P & A

Oxy USA Inc. Citgo Empire Abo Unit Tract 1 #11 990' FSL & 1880' FWL Gas Injection Well

Oxy USA Inc. Citgo Empire Abo Unit Tract 1 #9 330'FSL & 1500' FWL Gas Well

SECTION 26 - T17S - R27E

Unit Letter M
Marbob Energy Harbold #1
330' FSL & 990' FWL P & A

Unit Letter N
Achen Oil & Gas Harbold #16
660' FSL & 1900' FWL Oil Well

Vintage Drilling Co. Harbold #7 330' FSL & 2310' FWL Oil Well

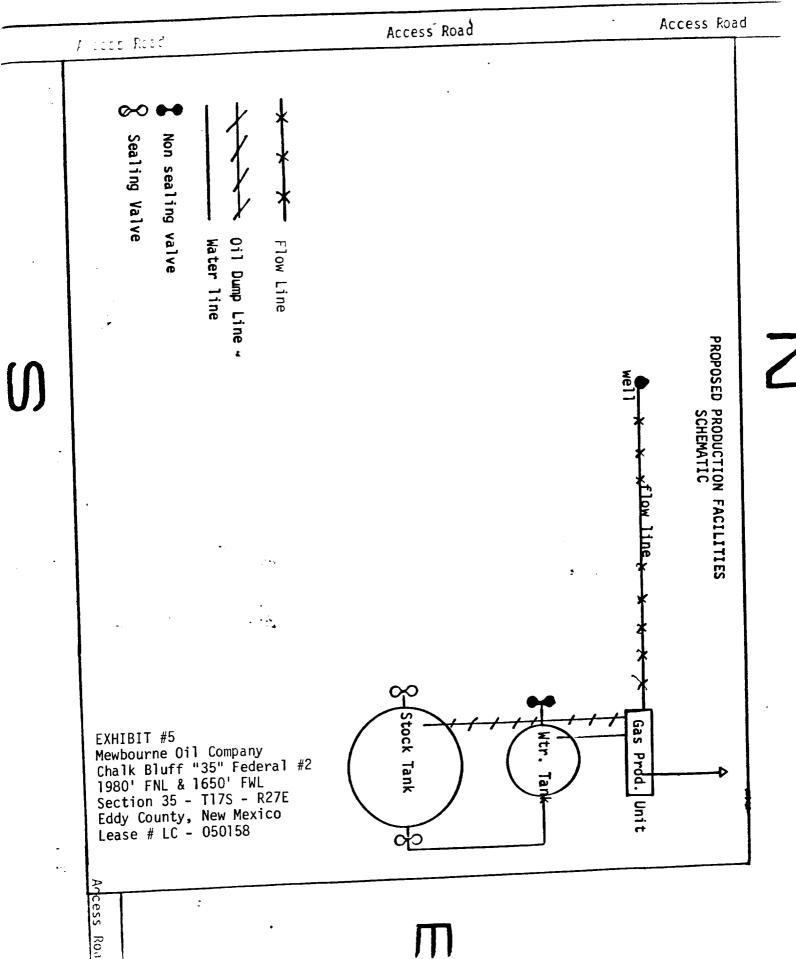
Vintage Drilling Co. Harbold #1 660' FSL & 2310' FWL Oil Well

SECTION 34 - T17S - R27E

Unit Letter A
Owen Haynes Harbold #11
990' FNL & 330' FEL P & A

Unit Letter H
Owen Haynes
2260' FNL 330' FEL P & A

Unit Letter I
Amoco Production Co.
660' FEL & 1980' FSL Gas Well
Trigg Federal Gas Comm. #2



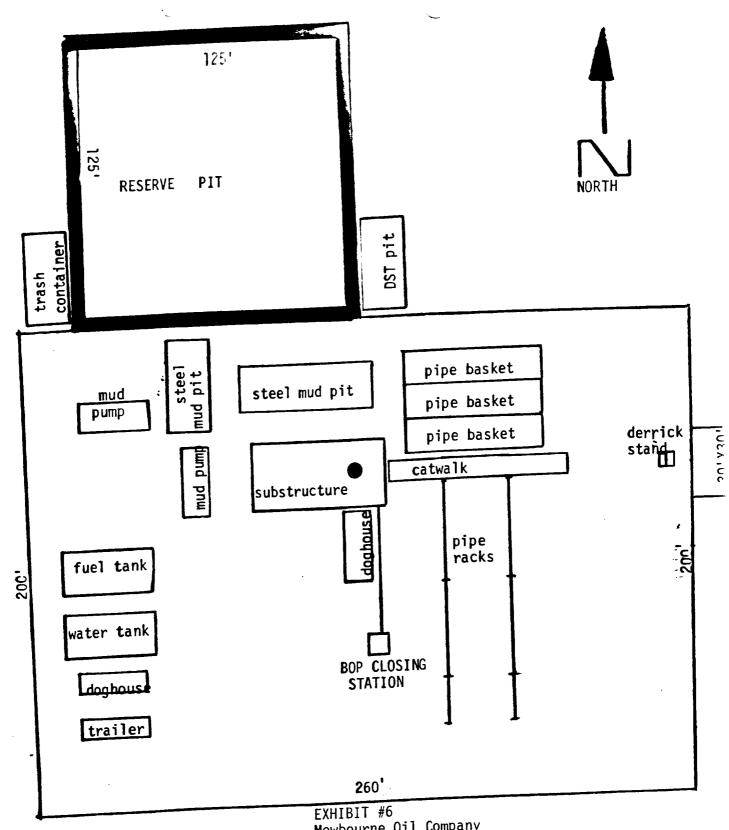


EXHIBIT #6
Mewbourne Oil Company
Chalk Bluff "35" Federal #2
1980' FNL & 1650' FWL
Section 35 - T17S - R27E
Eddy County, New Mexico
Lease # LC - 050158