New-Mexico Oil Conservation Division, Division 1625 N. French Drive Hobbs, NM 83240

Form 3160-3 (July 1992)							
Harvey E. Yates Company			UNITED STATES				
			MENT OF THE INTE			1	GNATION AND SERIAL NO. NMNM-100590 (C - 94/5)
A	PPLICAT			RILL OR DEEPEN			LOTEE OR TRIBE NAME
1a. TYPE OF WORK					····		TOTAL ON TRIBE NAME
	DRILL	X	DEEPEN			7. UNIT AGREE	MENT NAME
b. TYPE OF WELL OIL	GAS						PEARSALL 6 FED
WELL X	WELL		OTHER	SINGLE ZONE X	MULTIPLE ZONE	8. FARM OR LE	ASE NAME, WELL NO.
2. NAME OF OPERATOR						9. APJ WELL NO	
HARVEY E. YATES COMP.							125-36008
P.O. BOX 1933, ROSWELL		O 88202 505.	£27.££01			18. FIELD AND	POOL, OR WILDCAT
4. LOCATION OF WELL (REPORT				REQUIREMENTS	· · · · · · · · · · · · · · · · · · ·		YOUNG BONE SPRINGS NORTH
AT SURFACE		1, 95 0° FSL	- & 1,760 FWL		-	11. SEC., T., R., AND SURVE	
AT PROPOSED PROD. ZONE		13/1/	69 11 111 11	18 36 JES	\mathcal{L}		SEC 6, T18S, R32E
AT PROPOSED PROD. ZONE		SAME			\wedge	12 COUNTY OR	
14. DISTANCE IN MILES AND DIR	ECTION FROM HE	AREST TOWN C	OR POST OFFICE			LEA	INM
46 DICTARIO FORMA		SW OF MALJ	AMAR, NM				
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST]			16. NO. OF ACRES IN LEASE		17. NO. OF ACRES ASS	IGNED
PROPERTY OR LEASE LINE,	FT.					TO THIS WELL	
(Also to nearest drig, unit line			1,650'	480			40
18. DISTANCE FROM PROPOSED				19. PROPOSED DEPTH		20. ROTARY OR CABLE	
TO NEAREST WELL DRILLING OR APPLIED FOR, ON THIS L			1,990'				
21. ELEVATIONS (Show whether			1,990	9,500			ROTARY
3,815'						APPROX. DATE	WORK WILL START 02/01/02
23.			PROPOSED CASIN	IG AND CEMENTING PROGRAM	1		02101102
SIZE OF HOLE	GRADE, SIZE	OF CASING	WTPERFT		Canh	an Controlla	d Water Recia
17 1/2"		3/8" H-40	48#	SETTING DEPTH 400' (Alt Csg Depth)		QUAN % CACL & 1/4# CEL	TITY OF CEMENT
12 1/4"		5/8" J-55	32#	3,100			LOSEAL, 1,000 SX FILLER -
7 7/8"		1/2" J-55 EXHIBIT "E"	17#	9,500'		& 400 SX TAIL **	
* FILLER CEMENT 35/65 "C "* LEAD: 1000 SX "H" POZ TAIL: 400 SX "H" w/ 3% F	w/ 2% GEL & 5	# SALT PER	SACK	NG AGENT, .3% RETARDER, & .1	2% SODIUM MET	ASILICATE PER SA	ok
0.4001				PROPOSED MUD PROGRAM			
0-400' 400'-3,100'	RRINE WA	TER, PAPER	R, & EZ MUD. MW-9.0 VIS-	31			
3,100'-9,500'	FRESH WA	TER, PAPER	R. EZ MUD. & AMMONIA N	R, & EZ MUD. MW-10.0, VIS-31 ITRATE. 30-60,000 CHLORIDES	MIN O O MIC 24		
				TRATE: 00-00,000 CHEORIDES	M144-9.0 VIS-31		
MUD PROGRAM SUBJECT TO	O CHANGE DUE	TO HOLE CON	DITIONS				Hebbs A
IN ABOVE SPACE DESCRIBE PROdeepen directionally, give pertine	OPOSED PROGRA	M: If proposal is	s to deepen, give data on prese and measured and true vertical	nt productive zone and proposed new p depths. Give blowout preventer progra	productive zone. ff pr am, if any.	roposal is to drill or	000
SIGNED SOBLE) ellion		Bob Williams	TITLE Drilling Sup	erintendent	DATI	E 2/7/02
(THIS SPACE FOR FEDERAL OR	STATE OFFICE NO						27102
PERMIT NO.		·=;		APPROVAL DATE			
APPLICATION APPROVAL DOES NOT WARRANT OF	R CERTIFY THAT THE APPL	ICANT HOLDS LEGAL OF	R EQUITABLE TITLE TO THOSE RIGHTS IN THE S	IUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO	D CONDUCT GAERATIONS THER	EON.	
	/s/ Mary	, Dur	llowr	6-8			
APPROVED BY					MANAG	DATE	SE P 1 1 2002
TITLE 18 U.S.C. SECTION 1001 UNITED STATES ANY FALSE,	, MAKES IT A CI FICTITIOUS OR I	RIME FOR ANY FRAUDULENT	PERSONS KNOWINGLY AND STATEMENTS OR REPRESE	D WILLFULLY TO MAKE TO ANY DE ENTATIONS AS TO ANY MATTER WI	PARTMENT OR AG	ENCAPPRO	VAL FOR 1 YEAR
OPER. OGF	RID NO	16/7	4			222	
		559'	7		Al	PPROVAL S	SUBJECT TO
PROPERTY		25/	1		G	ENERAL R	equirements and
POOL COD	= (2) = =	275			Si	ECIAL ST	PULATIONS
EFF. DATE	9-2	b-0				TACHED	
API NO. 34	-175	36	008		A :	· · AUNED	

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BECEINED

OCD-HOBBS

Form 3160-5 HEYCO

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau no. 1004-0135

Expir	•6:	Merch	31.	1993		

SUNDRY NOTICES AND REPORTS ON WELLS	5. Lease Designation and serial No. LC029410B
o not use this form for proposals to drill or to deepen or reentry to a different resevoir Use "APPLICATION FOR PERMIT-" for such proposals	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA, Agreement Designati
SUBMIT IN TRIPLICATE	

		AND REPORTS ON WELLS	LC029410B
	Do not use this form for proposals to dr	ill or to deepen or reentry to a different	resevoir 6. If Indian, Allottee or Tribe Name
	Use "APPLICATION FOR	R PERMIT-" for such proposals	
			7. If Unit or CA, Agreement Designation
	SUBMIT	IN TRIPLICATE	
1. Type of Well	_		
X Well	Gas Other		
2. Name of Operator	Other		8. Well Name and No.
HARVEY E. YATE	S COMPANY		DEADSALL OFFD #0
3. Address and Telep			PEARSALL 6 FED #3
	OSWELL, NM 88201 505-623-6601		9. API Well No.
	ootage, Sec., T., M., or Survey Description)		31-125.3/0
•	C		10. Field and Pool, or Exploratory Are:
4 930' 55' 4 4 44	W # 10 A		YOUNG BONE SPRINGS NORTH
1,030 FSL & 1,640	0' FWL SEC 6, T18S, R32E		11. County or Parish, State
			LEA COUNTY, NM
12.	CHECK ADDRODDIATE D	201/12	
	CHECK APPROPRIATE B	BOX(s) TO INDICATE NATURE	OF NOTICE, REPORT, OR OTHER DATA
	TYPE OF SUBMISSION		
	X Notice of Intent		Π
		Abandonment	Change of Plans
		Recompletion	New Construction
	Subsequent Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
	Final Abandonment Notice	Altering Casing	Conversion to Injection
		X Other	Dispose Water
			(Note: Report results of multiple completion on well
42 December December			O 4 11
give subsurfa	ed or Completed Operations (Clearly state all pe ce locations and measured and true vertical dep	ertinentdetails, and give pertinent dates, included	lines and an administration of the state of
		para los als maners and zones perunent to uni	s work)
TO AMEND TH	IE APD AS FOLLOWS:		~ 2
CHANGE THE	LOCATION OF THE WELL PER DON PE	TERSON & JOHN SHEDMAN	도 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
			·
FROM: 1,650' F	FSL & 1,700' FWL SEC 6, T18S, R32E LE	EA COUNTY, NM	F
TO: 1.830' F	TSI 8 4 640' EVAIL SEC 5 7400 DOOR : -		
10. 1,030 F	FSL & 1,640' FWL SEC 6, T18S, R32E LE	A COUNTY, NM	
			;
			610111213
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			in (17 au)
			195
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			Hoods
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			Sign of the second of the seco
4. I hereby certify that ti	he foregoing is true and correct		
	ob William		
(This space for Fe	derail or State office (ma)	Title DRILLING SUPERINTENDENT	Date
,	/s/ Mary J. Rugwell	Ever:	
Signed	,	THE THE MANAGE	Dete SEP 1 1 2002

14. I hereby certify that the foregoing is true and correct		·	
Signed Doll William	Title DRILLING SUPERINTENDENT	Date	7/2/02
(This space for Federal or State office use) /S/ Mary J. Rugwell signed	THE FIELD MANAGER	Date	SE P 1 1 2002

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

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

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

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

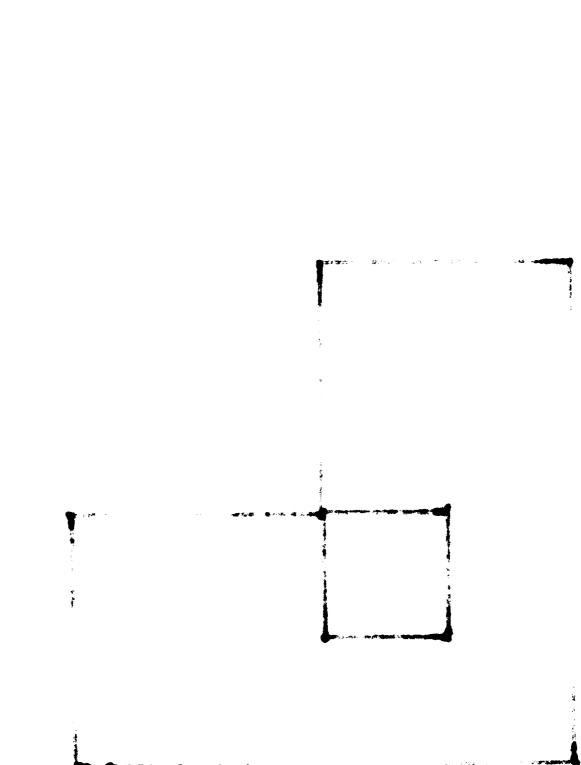
OIL CONSERVATION DIVISION

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

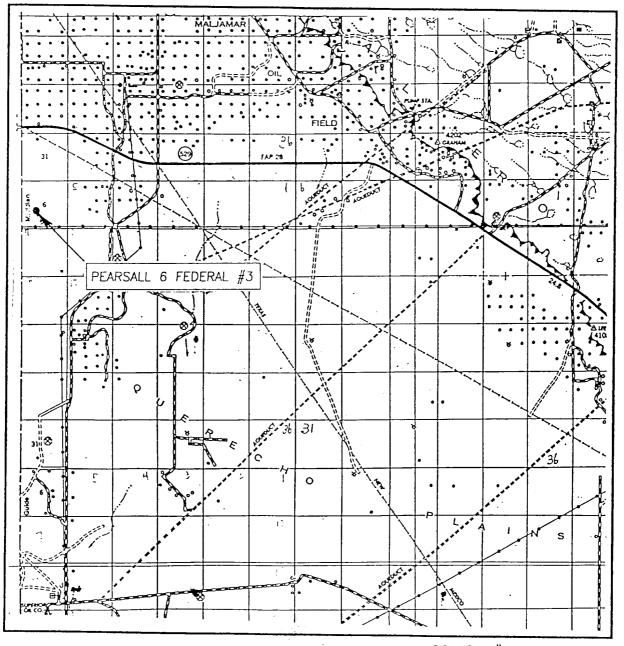
DISTRICT IV P.O. BOX 2088, SANT		504-2088	WELL LO	CATION	AND ACREA	GE DEDICATI	ON PLAT	□ AMENDEI	REPORT
30-12	Number 5 36	008	C	Pool Code	ic /c	4179 Beire	Pool Name	North-	
Property Code				PEA	Property Nam ARSALL 6 F	Well Number			
16 179	HARVEY E.				Operator Nam Y E. YATES		Elevation 3813'		
					Surface Loca	ation			
UL or lot No.	Section 6	Township 18-S	Range 32-E	Lot Idn	Feet from the	North/South line SOUTH	Feet from the	East/West line WEST	County LEA
			Bottom	Hole Loc	eation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acre	B Joint or	r Infill Co	nsolidation C	Code Ord	ler No.	L-47	82		

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

LOT 4	LOT 3	LOT 2	LOT 1	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
40.94 AC	40.02 AC	40.04 AC	40.05_AC	Bob Williams Printed Name
40.95 AC				Drilling Superintendent Title 07/03/02 Date SURVEYOR CERTIFICATION
LOT 6 3825	 -			I hereby certify that the well location shown on this plat was pletted 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.
3813 40.97 AC LOT 7	.00 81 .00 81 .0			Date Surveyed AWB Signature & Seal of Professional Surveyor Amala Sulvan 7/62/01
40.99 AC				Certificate No. RONALD J. FIDSON 3239 GARY EIDSON 12641



VICINITY MAP



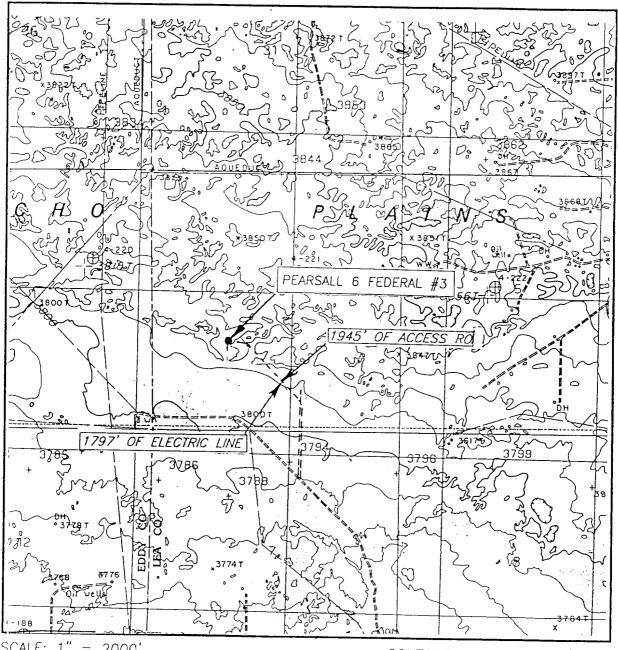
SCALE: 1" = 2 MILES

SEC. 6 TWP. 18-S RGE. 32-E
SURVEY N.M.P.M.
COUNTYLEA
DESCRIPTION 1830' FSL & 1640' FWL
ELEVATION 3813'
OPERATOR HARVEY E. YATES COMPAN
LEASE PEARSALL 6 FEDERAL

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117



LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

CONTOUR INTERVAL: 10' MALJAMAR, N.M.

SEC. <u>6</u> TWP. <u>18-S</u> RGE. <u>32-E</u>
SURVEY N.M.P.M.
COUNTYLEA
DESCRIPTION 1830' FSL & 1640' FWL
ELEVATION 3813'
OPERATOR HARVEY E. YATES COMPANY
LEASE PEARSALL 6 FEDERAL
U.S.G.S. TOPOGRAPHIC MAP MALJAMAR, N.M.

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117



Application Harvey E. Yates Company Pearsall 6 Fed #3 Section 6, T18S, R32E Lea County, New Mexico

In conjunction with Form 3160-3, Application For Permit To Drill Or Deepen subject well, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with Onshore Oil & Gas Order No 10.

1. Geologic Name of Surface Formation:

Quaternary allunium and bolson deposits.

2. Estimated Tops of Significant Geologic Markers:

Rustler	980	Loco Hills	4.225	Top B Sand	8.330
Yates	2,530	San Andres	4.665	Top C Sand	8,580
Seven Rivers	2,910	Deleware	4.860	Base C Sand	8,740
Bowers	3,345	BSPG	5,760	C-Zone	8,770
Queen	3,595	BSPG 1st Sand	7.615	3rd Sand	8.920
Penrose	3,850	B-Zone	7.820	Wolfcamp	9,275
Grayburg	4,120	BSPG 2nd Sand	8.285	violicamp	3,273

3. Estimated Depths at which Water, Oil, or Gas Formations are expected:

Oil: 4,665 Gas: 4,665

4. Proposed Casing Program:

See Form 3160-3

5. Pressure Control Equipment:

This well will be rated 3M

Request for variance on BOP for drilling 12 1/4" intermediate hole. Due to no pressured formations from base of surface to TD of 12 1/4" hole @ 3,100", we propose to:

- 1. Use a 3,000 psi BOP with one set of pipe rams and one set of blind rams.
- 2. Test the 13 3/8" casing and BOP stack to 1,000 psi with rig pump prior to drilling 13 3/8" casing shoe.
- 3. Change pipe rams to 8 5/8" rams prior to running 8 5/8" casing.
- 6. Drilling Fluid Program:

See Form 3160-3

7. Auxiliary Equipment:

H2S Compliance Package.

8. Testing, Logging, and Coring Program:

One possible DST is planned for the Bobespring B or C Zone The planned logs are Western Atlas CNL-ZDEN, DACS, and DLL-MLL

 Abnormal Conditions, Pressures, Temperature, or Potential Hazards: No abnormal conditions are anticapated in this wellbore BHST 160° F
 BHP 2,000 psi

10. Anticipated Starting Date & Duration of Operation:

Spud Date: Approximately February 1, 2002. Duration of this project will be approximately 40 days from start of construction of drilling pad until finish of completion operations.



Surface Use Plan

Harvey E. Yates Company Pearsall 6 Fed #3 Section 6, T18S, R32E Lea County, New Mexico

1 Existing Roads:

Exhibit A is a portion of a New Mexico map showing the location of the proposed location. The location is approximately 20 miles SouthWest of Maljamar, NM. Leave Artesia on U.S. 82 & travel 31 miles east to the junction of NM 529. Turn Southeast and go 7 miles to NM 126. Turn South & go 2.6 miles. Turn right & go .6 miles. Turn right & go .4 miles. Turn left & go .5 miles. Turn right & go .6 miles to Pearsall 6 Fed #2 location. Turn NW beside pipeline & go .3 miles. Turn left into location

2 Planned Access Roads:

Approximately 1,320' of new road will be built to access this location.

3 Location of Existing Wells:

See EXHIBIT B

4 Location of Tank Batteries, Electric Lines, Etc:

In the event a producing well is drilled, a tank battery will be built on the location.

5 Location and Type of Water Supply:

Water will be obtained from commercial sources.

6 Source of Construction Material:

We will use materials from the primary and auxillary reserve pits to build the location.

7 Methods of Handling Waste Disposal:

Waste will be handled in an approved manner. The wellsite will be cleaned of all waste within 30 days of final completion of the well.

8 Ancillary Facilities:

N/A

9 Wellsite Layout:

- a. EXHIBIT D shows the relative location and dimensions of the well pad, reserve pits, and major rig components.
- b. The land is rolling and sandy
- c. The pad and pit area have been staked.

10 Plan for Restoration of the Surface:

- a. After drilling and completion operations are completed, all equipment and other materials not needed for further operations will be removed. Pits will be back filled and the location cleaned of all trash to leave the wellsite as pleasant in appearance as possible.
- b. If the proposed operation is nonproductive, all restoration and/or vegetation requirements of the BLM will be complied with, and will be accomplished as quickly as possible. All pits will be filled and leveled within 90 days after abandonment.

11 Other Information:

- a. The surface and mineral owner is the Federal Government. The grazing Lesee is Williams& Son Cattle Company, and they have been contacted regarding operations.
- b. The topography consists of sandy soil with native grasses. No wildlife was observed, but the usual inhabitants of this region are Jackrabbits, Reptiles, Coyotes, etc.
- c. There are no ponds, lakes, or rivers in this area.
- d. An Archaeological Survey has been made and a copy has been sent to the Roswell BLM office. There are no occupied dwellings or windmills in the area.
- e. Should any incidental oil be recovered during testing of this well, this oil will be considered waste oil and not sellable due to contamination by drilling and/or completion fluids.

12 Operator's Representative:

I 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; that the work associated with operations proposed herein will be performed by Harvey E. Yates Company 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.

02/07/02

Bob Williams Drilling Superintendent

Harvey E. Yates Company

Bob William

P.O. Box 1933 Roswell, NM 505-623-6601

196 V 1

United States Department of the Interior

BUREAU OF LAND MANAGEMENT Roswell Resource Area P.O. Drawer 1857 Roswell, New Mexico 88202-1857

Statement Accepting Responsibilities for Operations

Operator Name: Harvey E. Yates Company

Street or Box:

P.O. Box 1933

City, State:

Roswell, New Mexico

Zip Code:

88202

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below.

Lease No.:NMNM100590

Lease Name: Pearsall 6 Fed #3

Legal description of land: Sec 6, T18S, R32E, Lea County, New Mexico

Formation(s) (if applicable): Bonesprings 2nd sand

Bond Coverage: (State if individually bonded or another's bond): Blanket Bond

BLM Bond File No.:

Authorized Signature: Bot Williams

Title: Drilling Superintendent

DATE:

2/7/02



12 V

Pearsall 6 Fed #3 1,650' FSL & 1,700' FEL Sec 6, T185, R32E Lea County, NM

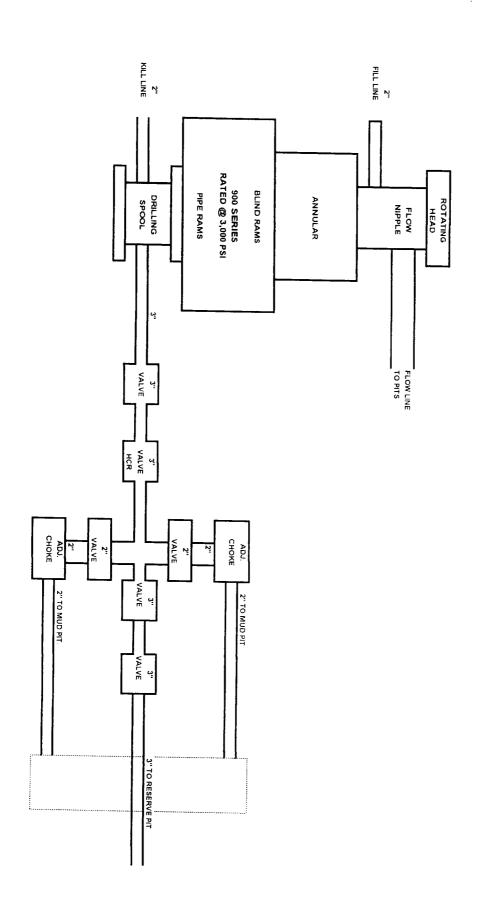


EXHIBIT "E" CASING DESIGN

Casing Design

Pearsall 6 Fed #3 1,650' FSL & 1,700' FEL Sec 6, T18S, R32E Lea County, NM

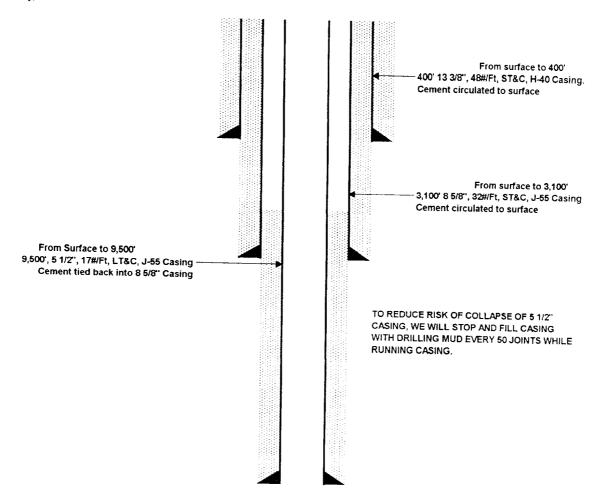




EXHIBIT "F"

Harvey E. Yates Company Pearsall 6 Fed #3 1,650' FSL & 1,700' FEL Sec 6, T18S, R32E Lea County, NM

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

I Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis will show proof of training from a qualified instructor in the following areas before commencing any work on the above named well.

- The hazards and characteristics of hydrogen sulfide (H²S)
- The proper use and maintenance of personal protective equipment and life support systems.
- The proper use of H²S detectors, alarms, warning signs, briefing areas, and evacuation procedures.
- The proper technique for rescues.

II H²S Safety Equipment and Systems

All H²S safety equipment and systems will be installed 1,000 feet prior to penetrating the first zone containing or reasonably expected to contain H²S.

Well Control Equipment

- Choke manifold with a minimum of two adjustable chokes.
- B. Blind and pipe rams to accommodate all pipe in use.
- C. Auxiliary equipment to include annular preventer and rotating head.

2. Protective equipment for essential personnel

- A. Four 5 minute escape units in top dog house.
- B. One 30 minute SCBA at each briefing area.

3. H²S detection and monitoring equipment

A. Three channel monitor located on floor, with detectors located on floor, on flow nipple, and on flow line on mud pit.

4 3 B

4. Visual Warning Systems

- A. Windsock located on floor and mud pits.
- B. Briefing area signs located on NE & SW corners of pad.
- C. H²S Condition sign located at entrance to location.

5. Mud Program

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

6. Metallurgy

All drill strings, casing, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifolds, and associated lines and valves shall be suitable for an H2S environment.

7. Communications

Drilling rig and company vehicles will be equipped with two way radios or cellular telephones.

8. Well testing

One Drill Stem Test is planned for this well.

EXHIBIT "G"

Harvey E. Yates Company Pearsall 6 Fed #3 1,650' FSL & 1,700' FEL Sec 6, T18S, R32E Lea County, NM

Temporary Condition of Approval:

Drilling Fluids, Casing and Cementing Requirements for Most of Lea County:

Casing and Cementing

Surface casing is to be set at a sufficient depth to protect useable water zones and cement circulated to surface. In areas where the salt section (Salado) is present, surface casing should be set at least 25 feet into the top of the Rustler Anhydrite and cement circulated to the surface.

As an alternative, surface casing may be set through the Santa Rosa Formation or other potable water bearing zones and circulate cement to surface. For wells requiring an intermediate casing string, such string shall be cemented to the ground surface. In the case where intermediate casing is not required the operator shall case and cement the production hole to the ground surface.

While drilling from the surface casing to the Rustler fm it is recommended that operators periodically sweep the hole with viscous low water loss pills to help build a filter cake across useable water zones in the redbeds.

Drilling Fluid

Fresh water or fresh water spud mud shall be used to drill to surface casing depth. If surface casing is set at a lesser depth than the top of the Rustler fm., fresh water spud mud may be used to drill down to the first salt in the Rustler Fm. after which brine or fresh water may be used.

Non-toxic or biodegradable water based polymers, drilling paper, starch and gels may be used in the mud system in order to retard seepage into the redbeds.

Two to five percent diesel or crude oil may be used in the redbed section in order to control heaving shales and mudstones.

Caustics and Lime shall not be used in the red beds but may be added when the Rustler formation is reached. However, sodium carbonate maybe used for alkalinity or ph control while drilling the redbeds above the Rustler fm.

Additionally, questions of whether an additive may be used should be referred to the Roswell Field office.