ENGINEER MS

ABOVE THIS LINE FOR DIVISION USE ONLY

# NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



_		ADMINISTRATIVE APPLICA	ATION CHECKLIST	
TH	IS CHECKLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS WHICH REQUIRE PROCESSING AT THE DIV	FOR EXCEPTIONS TO DIVISION RULE ISION LEVEL IN SANTA FÉ	S AND REGULATIONS
Applic	PC-P	s: Indard Location] [NSP-Non-Standard Prorat Indard Location] [NSP-Non-Standard Prorat Indicated Providing (ISB-Lease Commit Indicated Policy (ISB-Lease Stora ISBN - Salt Water Disposal] [IPI-Inject Indicated Providing (ISB-Inject) [IPI-Inject)	ngling] [PLC-Pool/Lease Comr ge] [OLM-Off-Lease Measuren ure Maintenance Expansion] tion Pressure Increase]	ningling] nent]
[1]	TYPE OF AP [A]	PLICATION - Check Those Which Apply Location - Spacing Unit - Simultaneous D  NSL NSP SD	for [A] edication	
	Checl [B]	k One Only for [B] or [C]  Commingling - Storage - Measurement  DHC CTB PLC 1	PC OLS OLM	
	[C]	Injection - Disposal - Pressure Increase - I WFX PMX SWD		
	[D]	Other: Specify		
[21	NOTIFICAT [A]	TON REQUIRED TO: - Check Those Whice Working, Royalty or Overriding Roy		
	[B]	Offset Operators, Leaseholders or Su	rface Owner	
	[C]	Application is One Which Requires 1	Published Legal Notice	
	[D]	Notification and/or Concurrent Approus. Bureau of Land Management - Commissioner of Pub	oval by BLM or SLO	
	[E]	For all of the above, Proof of Notific	ation or Publication is Attached	and/or,
	[F]	Waivers are Attached		
[31		CCURATE AND COMPLETE INFORMA ATION INDICATED ABOVE.	TION REQUIRED TO PROC	ESS THE TYPE
[41 appro applie	oval is accurate	TION: I hereby certify that the information and complete to the best of my knowledge. I required information and notifications are sub-	also understand that no action	
	Note	: Statement must be completed by an individual with	n managerial and/or supervisory capa	ncity.
Crissa	a D. Carter	( line ) lat	Production Analyst	5/30/02
$\overline{}$	or Type Name	Signature	Title	Date
			ccarter@pvtnetworks.net	
			A 1114	

**FAX** 

3 0 × 3 0

Date: 5-30-02

Number of pages including cover sheet: 8

To:	<b>3</b> CD	Sant	L Fo	
Phone	<u> </u>	<del></del>		
Fax p	hone: 505	5-476:	3462	

From:		
	Mack Energy Corp	
<del></del>		
<del></del>		
Phone:	(505)748-1288	
Fax phone:	(505)746-9539	

REMARKS: Urgent | For your review | Reply ASAP | Please comment

Micheel

If you have any questions or need only

Mormation give me a call.

Jany W. Shevell

MACK ENERGY CORPORATION

Post Office Box 960 Artesia, New Mexico 88211-0960 (505) 748-1288 / FAX (505) 746-9539

May 30, 2002

Oil Conservation Division Attn: Mike Stogner 1220 South St. Francis Dr. Santa Fe, NM 87505

Dear Mr. Stogner:

Mack Energy Corporation respectfully requests an administrative approval without notice and hearing of the following unorthodox well location. The well location and legal description is as follows:

Skelly Unit #905 1100 FNL & 660 FEL Sec. 14, T17S, R31E Eddy County, New Mexico

The well was originally drilled to the Fren, Morrow as a Standard Location, but the well was non-productive. Mack Energy as a designated Agent for Texaco, the operator for this well along with many other wells in this unit, under a partnering agreement then completed up hole in the Fren Paddock formation. The change caused the oversight of the unorthodox location.

Attached to this application are the following exhibits.

- A.) Well location and acreage dedication plat (form C-102) filed with the Artesia office of the Oil Conservation Division (Exhibit A).
- B.) A map showing the unorthodox location, the respective proration units, and the offsetting proration units (Exhibit B).
- C.) A map showing the leases within the Skelly unit, the location is encroaching within the same lease (Exhibit C).
- D.) A copy of the original APD submitted by Texaco (Exhibit D).

12:50 p.m | 14/02 | 18 m. | 18

Oil Conservation Division May 30, 2002 Page 2

Thank you for your assistance in this matter. If you have any questions, please feel free to call.

Sincerely,

MACK ENERGY CORPORATION

Crissa D. Carter Production Analyst

CDC/jws

Enclosures

Oct-02-2001 02:52pm From-TEXACO

DISTRICE-1

· ( P. Q. Box 1950, Hobbs, NM 88240 DISTRICT II

F. O. Drawer DO, Artesia. NM 88210

DISTRICT III DISTRICT IV 1 P. D. Box 2088, State FG, NM 87504-2088 State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIMISION PO Box 2088 Santa Fe, NM 87504—2088

Form C-102 Revised February 10, 1994 INETRUCTIONS ON DOCK

Submit to Appropriate District Office

State Lease-4 copies Fee Lease-3 coples

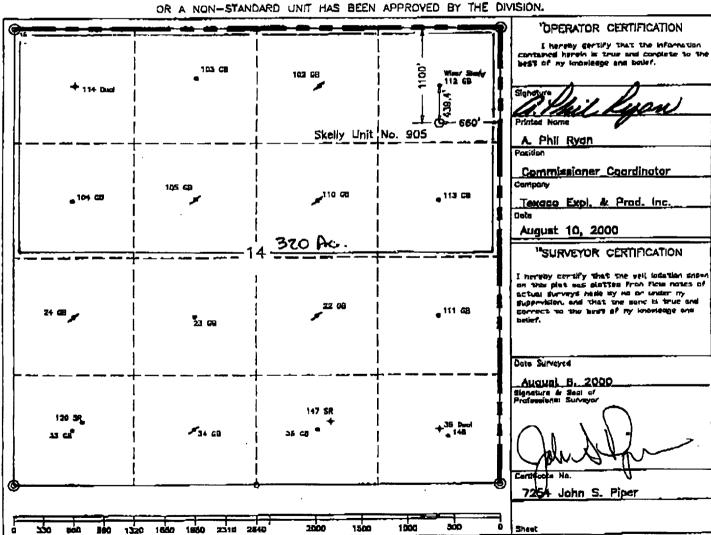
AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

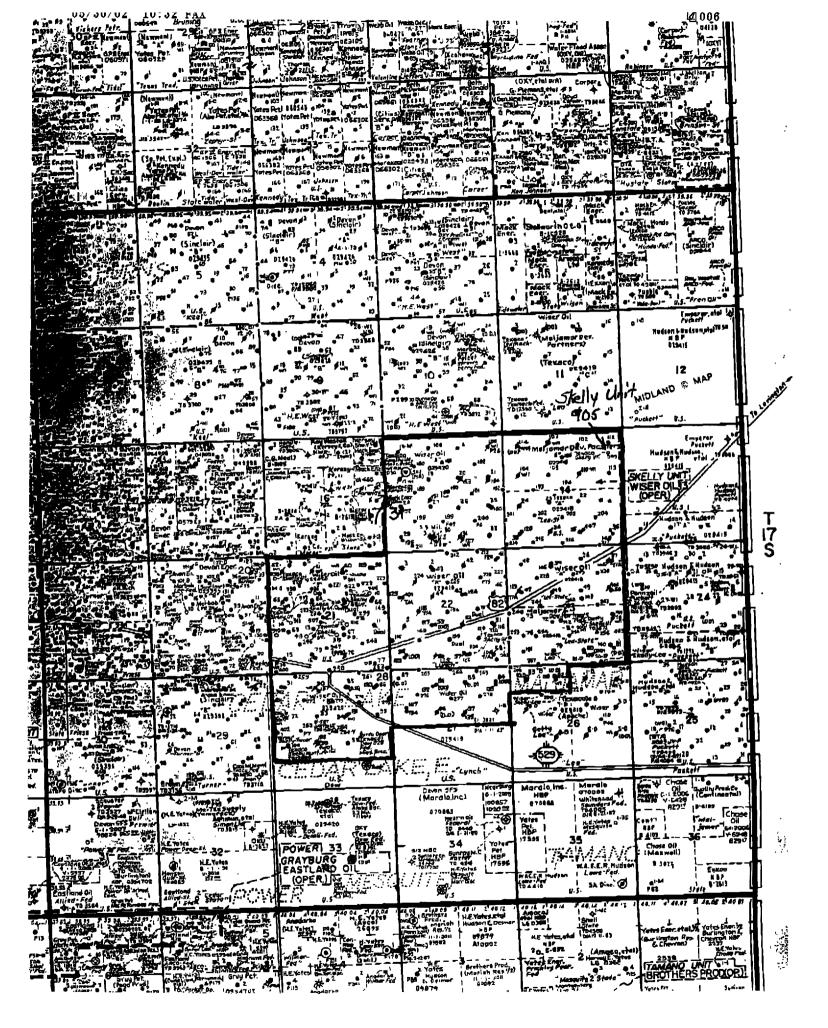
30-015-31		<b>਼ੇ</b> ≄∞ਕ Co3e 26770	Fren, Paddock	<b>Name</b>
Proporty Gods 11091			*Property Nome Skelly Unit	Wett Number 905
OCRID NA. 22351	·	TEXACO EXPL	DRATION & PRODUCTION, INC.	3940'

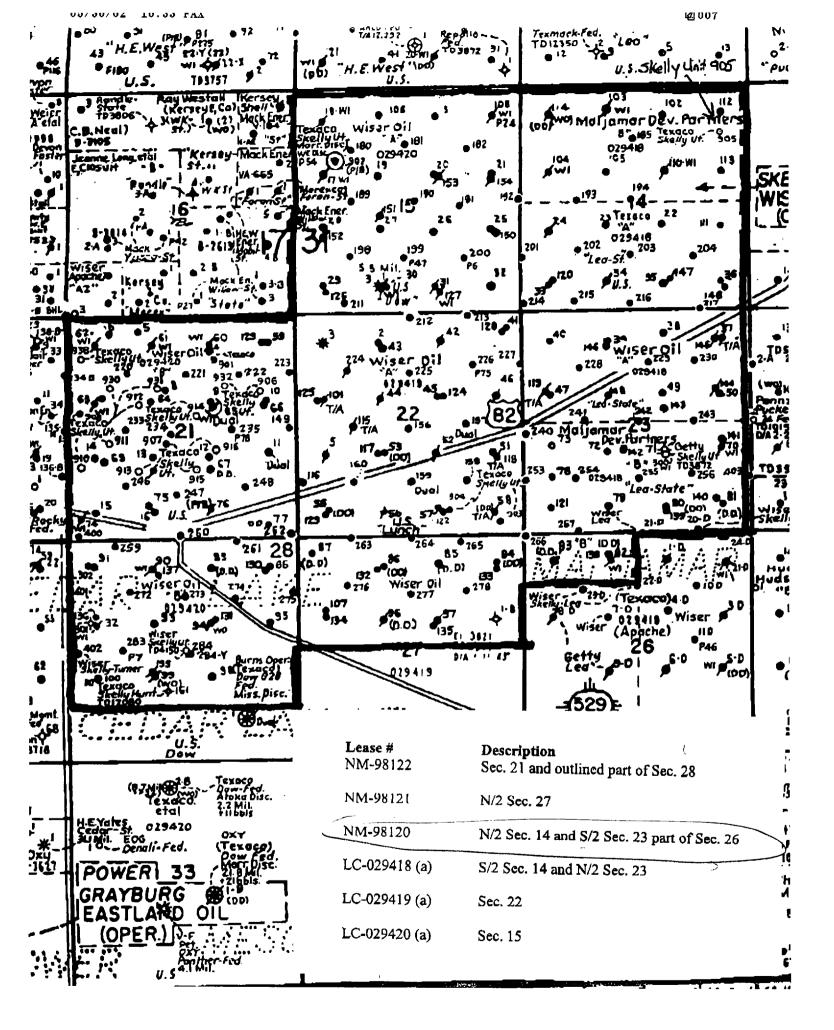
	_~				" Surface L	ocation			
UL or lot re.	Section	Tawnenia	Range	Latida	Feet from the	North/South line	Feet from the	Eggt/West line	<sup>2</sup> County
A	14	17-5	31-E		1100'	North	560'	East	Eddy
			ПВ	attem Hol	e Location if	Different From	Surface		
UL or lot no.	Section	Township	Range	Lot Men	Feet from the	North/South line	Feet from the	East/Wood Ana	<sup>2</sup> County
							_		
Dedicoled Acres	1270	nt or INTA	ilazpūd¹¹	Letien Cade	LEGrater No.				
40	i								

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED



O = Staked Location • = Producing Well = Injection Well • = Water Supply Well • = Plugged & Abandon Well





orm 3160-3	U	INFIED STATES	OPERATOR'S CO	Monte appropriate
De combor (1990)		MENT OF THE INTERI	UK	FORM APPROVED  Fundant Surgan No. 1004-0136
7	BUREAU C	OF LAND MANAGEME	ENT.	Expires: December 31, 1991
SUBMIT IN TRIPLICATE				
			1	5. Lease Designation and Sorial No. N 98120 1-60204420A
	OLICATION FOR	PERMIT TO DRILL	OR DEEDEN	6, If Indian, Alettee or Tribe Nam
	PLICATIONFOR	PERMIT TO DRILL	ORDECTEN	
1a. Type at Wor D	RILL 🗵	DEEPEN 🔲		7. If Unit of CA, Agreement Designation
16. Type of Well			SINGLE ZONE	
OIL GAS WELL	⊠ <sub>OTHER</sub>		MULTIPLE ZONÉ	8. Well Name and Number SKELLY UNIT
2. Name of Operator				
2. Marie di Oporator	TEXAÇO EXPLO	DRATION & PRODUCTIO	N INC.	905
3. Address and Telephon	No. 0.0 0	Baland Tares 20200	688-4606	8, API Wall No.
		Midtand Texas 79702		30-015-31371
	art lecation clearly and in	n accordance with any State	a (adritamenter)	10. Field and Pool, Explorary Area
At Surface Unit letter A : 1100	Feet From The N	ORTH Line and 660	Feel From The EAST Line	PREN, MORROW
Unit Letter A : 1100 At proposed prod. Zone	r inmontal parties construction	, , , , , , , , , , , , , , , , , , ,	11, SEG., T., R., M., or BUK, and Survey or Area	
en e financia de la financia marca.			Sec. 14. Township 17-5, Range 31-5	
14. Distance in Miles and D	Istation from Newsoni Tra	ar Dagi Office		12. County or Parish 13. State
14- Mineral 27 Mines 216 P.		er of Loco Hills, NM		EDDY NM
15, Distance From Propose		oparty or	16. No. of Acres in Lease	17, No. of Acres Assigned To This Well
Lease Line, Ft, (also to nes	rest drig. unit line, if any)	660*	4150	370
18. Distance From Propose			.19. Proposed Depth	20, Rotary of Cable Tools
Completed of Applied For,	On This Lease, FL	453.4'	12550	ROTARY
21 Elevations (Show wholh	erDF,RT, GR, etc.)	GR-3540'		22. Approx. Oato Work Will Start* 9/15/00
23		PROPOSED CAS	ING AND CEMENT PROGR	RAM See Drilling Stips
SIZE OF HOLE	GRADE, SIZE OF CASIN			QUANTITY OF CEMENT
14 9/4"	WC40,11 3/4"	42#	950° 6///	350 SACKS-CIRCULATE
11-	WCZ0,8 5/8-	32#	4200'	1680 SACKS-CIRCULATE
7 7/8"	W¢70,5 1/2"	17#	12550'	2220 SACKS-CIRCULATE
	t · ·	1		1
CEMENTING PROBRA			PPG 150 CE/S 630 GW/S) F	/B 250 SACKS CLASS C W/2% CaC(2 (14.8
CEMENTING FROGRA SURFACE CASING: 10 PPG, 1.34 CF/S, 8,30 G	O SACKS CLASS C w/	2% GEL, 2% CaCI2 (14.2)	. 1 0, 1.00 0170, 0.00 01770, 1	
SURFACE CASING: 10 PPG, 1.34 CF/S, 6,30 G	0 sacks class c w/. W/s), IG: 1110 sacks 35/65	•		6, 1.94 CF/S, 10.45 GW/S). F/B 570 SACKS
SURFACE CASING: 10 PPG, 1.34 CF/S, 6.30 G INTERMEDIATE CASIN CLASS H (15.6 PPG, 1. PRODUCTION CASING & 8800-2nd STAGE-7	0 \$acks Class C w/. nw/s), 16: 1110 sacks 35/65 18 CF/s, 5.20 GW/s). 0: 1st Stage-1200 sa 120 sacks 35/65 POZ	FOZ CLASS H W6% GEI CKS 50/50 FOZ CLASS H	L 5% SALT, 1/4# FC (128 PPG I w/2% GEL, 6% SALT, 1/4# FC SALT, 1/4# FC (124 PPG, 214	
SURFACE CASING: 10 PPG, 1.34 CF/S, 6.30 G INTERMEDIATE CASIN CLASS H (15.6 PPG, 1. PRODUCTION CASING & 8800-2nd STAGE-7	0 \$acks Class C w/. nw/s), 16: 1110 sacks 35/65 18 CF/s, 5.20 GW/s). 0: 1st Stage-1200 sa 120 sacks 35/65 POZ	5 POZ CLASS H W/6% GE CKS 50/50 POZ CLASS H CLASS H W/6% GEL, 5%	L 5% SALT, 1/4# FC (128 PPG I W/2% GEL, 6% SALT, 1/4# FC SALT, 1/4# FC (124 PPG, 2.14 0 GW/S).	6, 1.94 CF/S, 10.45 GW/S). F/B 570 SACKS (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL I CF/S 11.80 GW/S). P/B 300 SACKS 50/50
SURFACE CASING: 10 PPG, 1.34 CF/S, 6.30 G INTERMEDIATE CASIN CLASS H (15.6 PPG, 1. PRODUCTION CASING & 8800-2nd STAGE-7	0 \$acks Class C w/. nw/s), 16: 1110 sacks 35/65 18 CF/s, 5.20 GW/s). 0: 1st Stage-1200 sa 120 sacks 35/65 POZ	5 POZ CLASS H W/6% GE CKS 50/50 POZ CLASS H CLASS H W/6% GEL, 5%	L 5% SALT, 1/4# FC (12.8 PPG I w/2% GEL, 5% SALT, 1/4# FC SALT, 1/4# FC (12.4 PPG, 2.14 0 GW/S).	6, 1.94 CF/S, 10.45 GW/S). F/B 570 SACKS (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL (CF/S 1180 GW/S). F/B 300 SACKS 50/50
SURFACE CASING: 10 PPG, 1.34 CF/S, 6.30 G INTERMEDIATE CASIN CLASS H (15.6 PPG, 1. PRODUCTION CASING & 8800-2nd STAGE-7	0 \$acks Class C w/. nw/s), 16: 1110 sacks 35/65 18 CF/s, 5.20 GW/s). 0: 1st Stage-1200 sa 120 sacks 35/65 POZ	5 POZ CLASS H W/6% GE CKS 50/50 POZ CLASS H CLASS H W/6% GEL, 5%	L 5% SALT, 1/4# FC (128 PPG I w/2% GEL, 6% SALT, 1/4# FC SALT, 1/4# FC (124 PPG, 214 0 GW/S). GENERAL REQUIRE	6, 1.94 CF/S, 10.45 GW/S). F/B 570 SACKS  (14.2 PPG, 1.35 CF/S, 6.30 GW/S). OV TOOL  1 CF/S 1190 GW/S). F/B 300 SACKS 50/50
SURFACE CASING: 10 PPG, 1.34 CF/S, 8,30 G INTERMEDIATE CASING CLASS H (15.6 PPG, 1. PRODUCTION CASING @ 8800"—2nd STAGE-7 POZ CLASS H WZ% GE	0 Sacks Class C w/. N/(s), NG: 1110 Sacks 35/65 18 CF/S, 5.20 GW/S). S: 1st Stage-1200 Sa 220 Sacks 35/65 Poz El, 5% Salt, 1/4# FC	5 POZ CLASS H W/6% GE: CKS 50/50 POZ CLASS H CCLASS H W/6% GEL, 5% (14.2 PPG, 1.35 CF/S, 8.3	L 5% SALT, 1/4# FC (128 PPG)  W/2% GEL, 6% SALT, 1/4# FC SALT, 1/4# FC (12.4 PPG, 2.14  O GW/S).  FEMERAL REQUIRE  SPECIAL STIPLIAT	6, 1.94 CF/S, 10.45 GW/S). F/B 570 SACKS  (14.2 PPG, 1.35 CF/S, 6.30 GW/S). OV TOOL  1 CF/S 1190 GW/S). F/B 300 SACKS 50/50  F/B  MEN(S) AND
SURFACE CASING: 10 PPG, 1.34 CF/S, 6,30 G INTERMEDIATE CASIN CLASS H (15.6 PPG, 1, PRODUCTION CASING @ 8800"—2nd STAGE-7 POZ CLASS H w2% G6	0 SACKS CLASS C w/. N/(5), NG: 1110 SACKS 35/65 18 CF/S, 5.20 GW/S). 0: 1st STAGE-1200 SACKS 35/65 POZ 51, 5% SALT, 1/4# FC	FOZ CLASS H W/6% GEI CKS 50/50 FOZ CLASS H CLASS H W/6% GEL, 5% (14.2 PPG, 1.35 CF/S, 8.3	L 5% SALT, 1/4# FC (128 PPG) W/2% GEL, 6% SALT, 1/4# FC SALT, 1/4# FC (124 PPG, 2.14 0 GW/S).  GENERAL REQUIRE SPECIAL STPULATI	6, 1.94 CF/S, 10.45 GW/S). F/B 570 SACKS  (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL  CF/S 1180 GW/S). P/B 300 SACKS 50/50  MEN (S. And Management of Proposal is
SURFACE CASING: 10 PPG, 1.34 CF/S, 6,30 G INTERMEDIATE CASIN CLASS H (15.6 PPG, 1.) PRODUCTION CASING @ 8800"—2nd STAGE-7 POZ CLASS H w/2% G6 In Above Space Describe to drift or deepen direction	0 SACKS CLASS C w/. N/(5), NG: 1110 SACKS 35/65 18 CF/S, 5.20 GW/S). 0: 1st STAGE-1200 SACKS 35/65 POZ 51, 5% SALT, 1/4# FC	FOZ CLASS H W/6% GEI CKS 50/50 FOZ CLASS H CLASS H W/6% GEL, 5% (14.2 PPG, 1.35 CF/S, 8.3	L 5% SALT, 1/4# FC (128 PPG) W/2% GEL, 6% SALT, 1/4# FC SALT, 1/4# FC (124 PPG, 2.14 0 GW/S).  GENERAL REQUIRE SPECIAL STPULATI	6, 1.94 CF/S, 10.45 GW/S). F/B 570 SACKS  (14.2 PPG, 1.35 CF/S, 6.30 GW/S). OV TOOL  1 CF/S 1190 GW/S). F/B 300 SACKS 50/50  F/B  MEN(S) AND
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Description: W/2 Sec. 15 (R=10844, 7-16-97)	
Description: W/2 Sec. 15 (R-10844, 7-16-97)  Ext: All Sec. 10, N/2 Sec. 11 (R-10951, 2-4-98) Ext: All Sec. 2 (R-11411, 7-10-00)	
· · · · · · · · · · · · · · · · · · ·	

TOWNSHIP	17-South	RANGE 31-E	ast N	MPM	
6	5	4	3	2-	
7	8	9	10	-11	12
18	17		15	14	13
19	20	21	22	23	24
30 +	29	28	27	26	25
31	32	33	34	35	36

Description: ~ 4 Sec. 21, (R-2313, 10-1-62).

Ext: SF4 Sec. 16 (R-10664, 9-16-96) Ext: S44 Sec. 16 (R-10787, 4-9-97)

Ext: NF4 Sec. 16 (R-11300, 1-4-00) Ext: 42 Sec. 21 (R-11678, 10-23-01)

Page: 1 Document Name: untitled

PF01 HELP PF02 PF07 BKWD PF08 FWD	A A A	Federal owned   Fo	E 40.00 40	A	Federal owned   Fo	D 40.00 40	Sec : 14 Twp : 17S Rng	CMD : OG5SECT
PF03 EXIT P) PF09 PRINT P)	C A	Federal owned	F 40.00	A	Federal owned	C 40.00	: 31日	ONGARD INQUIRE LAND BY
PF04 GoTo PF05 PF10 SDIV PF11	A C C	Federal owned	G 40.00	A	Federal owned	B 40.00	Section Type : NORMAL	BY SECTION
PF06 PF12	A	Federal owned	H 40.00	AA	Federal owned	A 40.00	EAGE NO: 1	06/14/02 09:32:27 OGOMES -TQKO

Date: 6/14/2002 Time: 01:44:11 PM

Page: 1 Document Name: untitled

CMD : OG5SECT INQUIRE LAND BY SECTION ONGARD 06/14/02 13:43:14 OGOMES -TQKO PAGE NO: 2

Sec : 14 Twp : 17S Rng : 31E Section Type : NORMAL

PF01 HELP PF02 PF07 BKWD PF08 FWD	A A A A A	Federal owned	M 40.00	A A	Federal owned	40.00
PF03 EXIT PF09 PRINT	A A A	Federal owned	N 40.00	A	Federal owned	K 40.00
PF04 GOTO PF05 PF10 SDIV PF11	_	   Federal owned	40.00	A	   Federal owned	J 40.00
PF06 PF12	A A A	   Federal owned	P 40.00	Α	   Federal owned	1 40.00

Page: 1 Document Name: untitled

CMD : 0G6C101 C101-APPLICATION FOR PERMIT TO DRILL ONGARD 06/14/02 13:43:33 OGOMES - TQKO

OGRID Idn 4323 API Well No: 30 15 31371 APD Status(A/C/P): A

Opr Name, Addr: CHEVRON U S A INC Aprv1/Cncl Date : 05-01-2002

REVENUE & ROYALTY ACCOUNTING

P.O. BOX 4791

HOUSTON, TX 77210-4791

Prop Idn: 29742 SKELLY UNIT Well No: 905

U/L Sec Township Range Lot Idn North/South East/West

Surface Locn : A OCD U/L : A 14 14 178
API County: 17S 31E FTG 1100 F N FTG660 F E

Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 3940 Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) :

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State Lease No: Multiple Comp (S/M/C)
Prpsd Depth : 12550 Prpsd Frmtn : FREN MORROW ល

E0009: Enter data to modify record

PF01

PF07

HELP PF02 PF08 PF03 EXIT PF09 PRINT PF10 C102 PF04 GoTo PF05 PF11 HISTORY PF12 PF06 CONFIRM Form 3160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR

Oil Cons. N.M. DIV-Dist. 2 FORM APPROVED 1903 1301 W. Grand Aventures: March 31,1993

Artesia, NM 88210 BUREAU OF LAND MANAGEMENT signation and Serial No NM-98120 SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT---" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE I Type of Well Oil Well 8. Well Name and No. 2. Name of Operator Skelly Unit #905 Texaco Exploration & Production Inc.(Mack Energy Agent) 9. API Well No. 3. Address and Telephone No. VED 30-015-31371 P.O. Box 960, Artesia, NM 88211-0960 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T. R., M. or Survey Description) Fren, Morrow 11. County or Parish, State Sec. 14-T17S-R31E 1100 FNL & 660 FEL Eddy, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Change of Plans New Construction Recompletion Subsequent Report Non-Routine Fracturing Plugging Back Casing Repair Water Shut-Off Final Abandonment Notice Altering Casing Conversion to Injection Spud, and cement casings Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work )\* 06/23/2001 Spud 14 3/4 hole 2:45 PM. 06/24/2001 TD 14 3/4 hole, RIH w/17 joints 11 3/4 42 # ST&C H-40 casing. Cemented w/250sx Class C 2% D 20, 2% SI, Tail in w/190sx Class C 2% Sl, circ 131sx plug down 5:45 PM. WOC 18 hours tested casing to 1200 # for 30 minutes, held OK. 07/02/2001 1:30 PM TD 11" hole @ 4200'. RIH w/91 joints 8 5/8" 32 # K-55 LT&C landed @ 4200'. 07/04/2001 Cement 8 5/8" casing w/1380sx 35-65-6 1/4 # CF 5 # salt & 450sx Class H Neat, Didn't circ, ran temp survey TOC @ 620'. 07/05/2001 Cement w/251sx Class C neat. Stage squeeze to 980 #, SI 1 hour open annulus no flow. ACCEPTED FOR BEAOR! 08/07/2001 TD at 12474' 9:45 AM. Log well. 08/08/2001 Log well. 08/09/2001 Finish logging well. 08/10/2001 Circ hole. 08/11/2001 RIH w/5 1/2" 297 joints casing 17 # 12,388', 1st stage, lead 380sx 35/65/6 Poz/h/, 5% D44, Tail 50/50/2 08/12/2001 Cement 2nd w/475sx 35/65 Poz/H, 183.57bbls slurry, tail w/1100sx 50/50 Poz/H 2% D20. 6/ug down @ 10:15 AM on 8/11/01 circ 416sx. WOC 12 hours tested casing to 600# for 20 minutes, held OK. Rig released 2:00 AM 8/12/619 14. I hereby certify that the foregoing is true and correct 10/18/01 Production Analyst (This space for Federal or State office use) 

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

Form 3160-3 (December 1990) UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N. M. Oil Cens. Division

FORM APPROVED

FORM	AP	PRO	VEC	)

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APPLICATION FOR PERMIT TODRILL DEPEND 5. Leave Designation and Sarfal No. 18. Type of Wor DRILL DEPEND 5. Type of Wor DRILL		BUREAU OF I	AND MANAGEME	ENI Las.	Expires: December 31, 1991
APPLICATION FOR PERMIT TOTORILL OR DEEPEN 3  11. Type of Wor DILL OR SEPEN 1  12. Type of Wor DILL OR SEPEN 1  13. Type of Wor DILL OR SEPEN 1  14. Type of Wor DILL OR SEPEN 1  15. Type of Wor DILL OR SEPEN 1  16. Well Marked A Agreement Designation  17. M Unit or CA. Agreement Designation  18. Well Marked No. D. S. All Well No. D.	SUBMIT IN TRIPLICATE		(6	189101172	1
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WELL OTHER ADDRESS OF TEXACO EXPLORATION & PRODUCTION (AND THE ADDRESS) INC.  2. Name of Operator  TEXACO EXPLORATION & PRODUCTION (AND THE ADDRESS) INC.  3. Address and Telephone No. P.O. Box 3109, Midland Texas 79702  4. Location of Well (Report location clearly and in socondance with any State requirements.*)  4. Location of Well (Report location clearly and in socondance with any State requirements.*)  4. Location of Well (Report location clearly and in socondance with any State requirements.*)  4. Location of Well (Report location clearly and in socondance with any State requirements.*)  4. Location of Well (Report location clearly and in socondance with any State requirements.*)  4. Location of Well (Report location clearly and in socondance with any State requirements.*)  4. Location of Well (Report location clearly and in socondance with any State requirements.*)  4. Location of Well (Report location clearly and in socondance with any State requirements.*)  4. Location of Well (Report location from Nearrest Town or Post Office*  5 MILES EAST OF LOCATION (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF LOCATION (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EAST OF POSS OF STATE (IN. M.)  5 MILES EA		DRILL DEE	등	RECENSED SIA 3	7. If Unit or CA, Agreement Designation
3. Address and Telephone No. P.O. Box 3190, Middland Texas 79702  4. Location of Well (Report location clearly and in accordance with any State requirements.*)  4. Location of Well (Report location clearly and in accordance with any State requirements.*)  4. Location of Well (Report location clearly and in accordance with any State requirements.*)  10. Feet From The Line and 660  7. Peet From The EAST Line A Reproposed Dod. size  11. SEC, T., R., M., or BLK, and Survey or Area  Sec. 14. Township 17-8, Range 31-E  14. Distance in Miles and Direction from Nearest Town or Peat Office' SMLES EAST OF LOCO HILLS, NM  15. Distance From Proposed Location to Nearest Property or Lease Line P. (Robe to nearest 6ft), with line, if any)  16. Distance From Proposed Location to Nearest Well, Criting, Completed or Applied for, On This Lease, Pt. 493.4*  17. No. of Acres in Lease  20. Rotary or Cable Tools  ROTARY  21. Elevations (Show whether DF RT, GR, etc.)  GR 38407  21. Elevations (Show whether DF RT, GR, etc.)  GR 38407  22. Approx. Delew with Will Statt' 11*  WC50, 8 58*  PROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE  GRADE, SEZ DF CASMA  WEIGHT FER FOOT  SETTING BEPTH  11*  WC50, 8 58*  22. Approx. Delew with Will Statt' 11*  WC50, 8 58*  22. Approx. Delew with Will Statt' 11*  WC50, 8 58*  22. Approx. Delew with Will Statt' 11*  WC50, 8 58*  22. Approx. Delew with Will Statt' 11*  WC50, 8 58*  22. Approx. Delew with Will Statt' 11*  WC50, 8 58*  12. State PC ALM Delegy of Line	) 1	OTHER 335	)E 67.	OCO MULTIPLE ZONE	1
4. Location of Wall (Report location clearly and in accordance with any State requirements.*)  At Surface Unit Later: A: 1100 Feet From The NORTH Line and 600 Feet From The EAST Line Alproposed prod. zene  SAME  17. No. of Acres Assigned To This Well  SATING ACRES ASSIGNED TO THIS Well	2. Name of Operator	TEXACO EXPLORA	TION & PRODUCTE	BY INC.	905 1109/
4. Location of Wall (Report location clearly and in accordance with any State requirements) 4. Surface Link Latter A: 1100 Feet From The NORTH Line and 660 Feet From The EAST Line Alproposed prod. zene  SAME  14. Distance In Miles and Direction from Nearest Town or Post Office' 9 MLES EAST OCH COCCHILLS, NM  15. Distance From Proposed-Location to Nearest Property or Lasse Line, Ft. (date to nearest drig. unit line, if any)  16. Distance From Proposed-Location to Nearest Well, Drilling, Compiled of Applied For, On This Lease, Ft.  493.4'  19. Proposed Depth 20. Rotary or Cable Tools ROTARY  21. Elevations (Show whether DF,RT, GR, etc.)  37. PROPOSED CASING AND CEMENT PROGRAM  22. Approx. Date Work Will Start  14. 24'  960 GRADE, B26 OF CASING WEIGHT FER FOOT SETTING DEFTH UNC50,8 5/8"  19. PROPOSED CASING AND CEMENT PROGRAM  22. Approx. Date Work Will Start  14. 24'  960 GRADE, B26 OF CASING WEIGHT FER FOOT SETTING DEFTH UNC50,8 5/8"  17. 7/8" WC50,8 5/8"  17. 7/8" WC50,8 5/8"  17. 7/8" WC50,8 5/8"  17. 12. 220 SACKS-CIRCULATE  CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C W2% GEL, 2% Cacl2 (14.2 Ppg., 1.50 CF/S, 6.30 GW/S), F/B 250 SACKS-CIRCULATE  CEMENTING PROGRAM: NITERINEDIATE CASING: 1110 SACKS SIGS POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.8 Ppg., 1.36 CF/S, 6.30 GW/S), F/B 570 SACKS  CLASS H (15.9 Ppg., 1.18 CF/S, 1.2 OG GW/S).  PRODUCTION CASING: 110 SACKS SIGS POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 Ppg., 1.35 CF/S, 6.30 GW/S), F/B 300 SACKS SIGS POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 Ppg., 1.35 CF/S, 6.30 GW/S), F/B 300 SACKS SIGS POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 Ppg., 1.35 CF/S, 6.30 GW/S), F/B 300 SACKS SIGS POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 Ppg., 1.35 CF/S, 6.30 GW/S), F/B 300 SACKS SIGS POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 Ppg., 1.35 CF/S, 6.30 GW/S), F/B 300 SACKS SIGS POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 Ppg., 1.35 CF/S, 6.30 GW/S), F/B 300 SACKS SIGS POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 Ppg., 1.35 CF/S, 6.30 GW/S), F/B 300 SAC	3. Address and Telepho	P.O. Box 3109, Midl	and Texas 79702	688-4606	
Unit Letter A: 1100 Feet From The NORTH Line and 560 Feet From The EAST Line  SAME  SAME  SAME  SAME  SAME  SAME  SAME  Sec. 14, Township 17-S, Range 31-E  11, Distance in Miles and Direction from Nearest Town or Post Office*  9 MILES ESST OF LOCO HILLS, NM  15, Distance From Proposed* Location to Nearest Property or BMILES ESST OF LOCO HILLS, NM  15, Distance From Proposed* Location to Nearest Property or SAME  SEC. 14, Township 17-S, Range 31-E  EDDY  NM  15, Distance From Proposed* Location to Nearest Property or SAME  17, No. of Acres in Lesse  17, No. of Acres Assigned To This Well  320  320  320  320  320  321  SEC. 14, Township 17-S, Range 31-E  EDDY  NM  15, Distance From Proposed Location to Nearest Well, prilling, Carpitaled or Applied For, On This Lesse, Ft.  493.4'  19, Proposed Depth  20, Rotary or Cable Tools  ROTARY  21-Elevations (Show whether DF,RT, GR, etc.)  GR-3940'  22. Approx. Date Work Will Start  9/1500  22. Approx. Date Work Will Start  9/1500  3150  327  328  PROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE  GRADE, SIZE OF CASING  WEIGHT PER FOOT  SETTING DEPTH  QUANTITY OF CEMENT  11-14  WC50,8 5/8'  322  4200'  1680 SACKS-CIRCULATE  CEMENTINO PROGRAM:  SURFACE CASING: 100 SACKS CLASS C w/2% GEL, 2% CaCl2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S), F/8 250 SACKS-CIRCULATE  CEMENTINO PROGRAM:  SURFACE CASING: 110 SACKS SASS PDZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.2 PPG, 1.36 CF/S, 6.30 GW/S), F/8 570 SACKS  CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  NOTERNEEDIATE CASING: 110 SACKS 3565 PDZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.2 PPG, 1.35 CF/S, 6.30 GW/S), F/8 300 SACKS 50/50  PRODUCTION CASING: 1st STAGE-1200 SACKS SOSS PDZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S), F/8 300 SACKS 50/50  PRODUCTION CASING: 1st STAGE-1200 SACKS SOSS PDZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S), F/8 300 SACKS 50/50  PRODUCTION SPACE SASS HORS 3565 PDZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S), F/8 300 SACKS 50/50  PRODUCTION OF PRIN		port location clearly and in acc	ordance with any State	e requirements.*)	10. Field and Pool, Explortory Area
14. Distance in Miles and Direction from Nearest Town or Post Office* 9 MILES EAST OF LOCO HILLS, NM 15. Distance From Proposed* Location to Nearest Property or Lease Line, FI. (also to nearest drig, unit line, if any) 16. Distance From Proposed* Location to Nearest New June 16. No. of Acres in Lease Line, FI. (also to nearest drig, unit line, if any) 18. Distance From Proposed* Location to Nearest New June 16. No. of Acres in Lease 19. Proposed Depth 20. Rotary or Cable Tools Completed or Applied For, of This Lease, FI. 19. Proposed Depth 20. Rotary or Cable Tools ROTARY 21. Elevations (Show whether DF.RT, CR. etc.)  9 ROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT FER FOOT SETTING DEPTH QUANTITY OF CEMENT 14. 344* WC60, 8 18° 32¢ 420° 1860 SACKS-CIRCULATE 11° WC60, 8 18° 32¢ 420° 1860 SACKS-CIRCULATE 11° CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C W/2% GEL, 2% CaCI2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C W/2% CaCI2 (14.8 PPG, 1.34 CF/S, 5.30 GW/S). NTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S), F/B 570 SACKS CLASS H HIS.6 PPG, 1.18 GF/S, 5.20 GW/S). NOTIFY OCD at SPUD & TIME GENERAL ROUBIREMENTS AND NOTIFY OCD at SPUD & TIME GENERAL ROUBIREMENTS AND NOTIFY OCD at SPUD & TIME GENERAL ROUBIREMENTS AND SPECIAL STIPULATIONS  17 TILE Commission Coordinator DATE 24. Insert warmt out to the proposal is to deliber, give data on present productive zone and proposed new productive zone. If proposal is to deliber depen directionally, give partient date on subsurface locations and measured true vertical depths. Give blowout preventer program, if any.  24. Insert warmt out to the proposal proposal is to deliber applicant bodd legal or equilable depth as placed to the specific new which would entitle the applicant to conduct operations in the Commission Coordinator DATE  17 TILE Commission Coordinator DATE 28 DATE OCT D 5 2000 CNDITIONS OF APPROVAL IF ANY:  18 DATE OCT D 5 2000 CNDITIONS OF APPROVAL IF AN	Cilit Editor 71	00 Feet From The NORT	H Line and 660	Feet From The EAST Line	O 10 Bes.
9 MILES EAST OF LOCO HILLS, NM  15. Distance Fram Proposed Location to learners Property or Lease Line, Ft. (also to nearrest dig. unit line, if any) or 1450  18. Distance Fram Proposed Location to Nearest World, Ortling, Campleided or Applied For, On This Lease, Ft.  19. Proposed Depth 12550'  19. Proposed Depth 12550'  20. Rotary or Cable Tools Campleided or Applied For, On This Lease, Ft.  21. Elevations (Show whether DF,RT, GR, etc.)  GR-3940'  22. Approx. Data Work Will Start 91500'  23. PROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14 3/4"  WC40, 11 3/4"  WC50, 8 5/8"  32 4 4200'  1680 SACKS-CIRCULATE  WC70, 5 1/2"  17 4 12550'  2220 SACKS-CIRCULATE  CEMENTING PROGRAM:  SIZE OF ASSING SACKS CLASS C W2% GEL, 2% CaCI2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C W2% CACI2 (14.8 PPG, 1.34 CF/S, 6.30 GW/S).  RTHERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 570 SACKS CLASS H W3% GEL, 5% SALT, 1/4		S	AME		Sec. 14, Township 17-S, Range 31-E
15. Distance From Proposed* Location to Nearest Property or Lease Line, Ft. (also to nearest diff), until line, if any)  15. Distance From Proposed Coalion to Nearest Veil, until line, if any)  15. Distance From Proposed Coalion to Nearest Well, Untilling, if any)  15. Distance From Proposed Coalion to Nearest Well, Untilling, Campled or Applied For, Cn This Lease, Ft.  15. Distance From Proposed Coalion to Nearest Well, Drilling, Campled or Applied For, Cn This Lease, Ft.  15. Distance From Proposed Coalion to Nearest Well, Drilling, Campled or Applied For, Cn This Lease, Ft.  16. Distance From Proposed Coalion to Nearest Well, Drilling, Campled or Applied For, Cn This Lease, Ft.  17. Proposed Depth 12550'  22. Approx. Date Work Will Start PROTARY  23. Approx. Date Work Will Start PROTARY  24. Approx. Date Work Will Start PROTARY  25. Approx. Date Work Will Start PROTARY  26. Approx. Date Work Will Start PROTARY  27. Approx. Date Work Will Start PROTARY  27. Approx. Date Work Will Start PROTARY  27. Approx. Date Work Will Start PROTARY  28. Approx. Date Work Will Start PROTARY  29. Approx. Date Work Will Start PROTARY  29. Approx. Date Work Will Start PROTARY  29. Approx. Date Work Will Start PROTARY  20. Approx. Date Work Will Start PROTARY  20. Approx. Date Work Will Start PROTARY  20. Approx. Date Start Protary Call Start Protary Start Protary Start Protary Start Protary Start Protary Star	14. Distance In Miles and				
Lease Line, FL (also to nearest drig, unit line, if any)  18. Distance From Proposed Location* to Nearest Well, Dritting, Completed or Applied For, on This Lease, FL  21. Elevations (Show whether DF,RT, GR, etc.)  CR-3940'  22. Approx. Date Work Will Start* 23. Approx. Date Work Will Start* 24. Elevations (Show whether DF,RT, GR, etc.)  CR-3940'  23. Approx. Date Work Will Start* 24. Approx. Date Work Will Start* 25. Approx. Date Work Will Start* 26. Approx. Date Work Will Start* 27. Approx. Date Work Will Start* 28. Approx. Date Work Will Start* 29. SETTING DEPTH  UANTITY OF CEMENT  14. 3/4*  WC40, 11. 3/4*  WC40, 11. 3/4*  WC50, 8.5/8*  32.6  42.00'  1680 SACKS-CIRCULATE  17. WC50, 8.5/8*  12. 2220 SACKS-CIRCULATE  CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C w/2% GEL, 2% CaCl2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C w/2% CaCl2 (14.8 PPG, 1.44 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C w/2% CaCl2 (14.8 PPG, 1.45 CF/S, 6.30 GW/S).  URTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS  CLASS H (15.6 PPG, 1.16 CF/S, 5.20 GW/S).  PRODUCTION CASING: 1st STAGE-1220 SACKS S0/50 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  PPCZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  PPCZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  PPCZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  PPCZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 1.35 CF/S, 6.30 GW/S).  In Above Space Describe Program: If proposal is to defiber, give data on present productive some and proposed new productive zone. If proposal is to drill or despan directionally, give pertinent data on subsurface locations and measured true verified depths. Give blowout preventer program, if any.  TITLE Commission Coordinator  DATE OCT 0.5 2000  APPROVAL DATE  TITLE Commission Coordinator  DATE OCT 0.5 2			<del></del>	146 No. of Associations	
22. Approx. Date Work Will Start 21. Elevations (Show whether DF,RT, GR, etc.)  GR-3940'  22. Approx. Date Work Will Start 9/15/00  23. PROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT  14 3/4' WC40,11 3/4' 42/2 990 6/0' 350 SACKS-CIRCULATE  11* WC50,8 5/8' 32/4 4200' 1680 SACKS-CIRCULATE  7/16' WC50,8 5/8' 32/4 4200' 1680 SACKS-CIRCULATE  7/16' WC50,8 1/2' 17/4 12550' 2220 SACKS-CIRCULATE  CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C w/2% GEL, 2% CaCl2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C w/2% CaCl2 (14.8 PPG, 1.3 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C w/2% CaCl2 (14.8 PPG, 1.3 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C w/2% CaCl2 (14.8 PPG, 1.3 CF/S, 6.30 GW/S). F/B 570 SACKS  CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  INTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS  CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  PRODUCTION CASING: 1st STAGE-1200 SACKS 50/50 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL  8800"—2018 STAGE-720 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14					1
PROPOSED CASING AND CEMENT PROGRAM  SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT  14 3/4* WC40,11 3/4* 42# 550 6/0* 350 SACKS-CIRCULATE  11* WC50,8 5/8* 32# 4200* 1680 SACKS-CIRCULATE  7 7/8* WC70,5 1/2* 17# 12550* 2220 SACKS-CIRCULATE  CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C W2% GEL, 2% CaCI2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C W2% CaCI2 (14.8 PPG, 1.34 CF/S, 6.30 GW/S).  INTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS  CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  PRODUCTION CASING: 1st STAGE-1200 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL @ 8800*-2nd STAGE-720 SACKS 35/55 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). F/B 300 SACKS 50/50  Notify OCD at SPUD & TIME: GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS  1TACHED  In Above Space Describe Proposal into detain on subsurface locations and measured true vertical depths. Give blowout preventer program. If any.  24. Linearly are only one of the subsurface locations and measured true vertical depths. Give blowout preventer program. If any.  TITLE Commission Coordinator DATE  PERMIT NO.  APPROVAL DATE Application approval does not warrant or certify that the applicant holds legal or equilable tide to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  PAPROVED BY (TRIA 360) ARMANDO A LOFEZ  TITLE  ASSISTANT Field Manager, DATE OCT 0 5 2000  CONDITIONS OF APPROVAL, IF ANY:  Lands And Minerals			•	1	
SIZE OF HOLE  GRADE, SIZE OF CASING  WEIGHT PER FOOT  SETTING DEPTH  QUANTITY OF CEMENT  14 3/4"  WC40,11 3/4"  WC50,8 5/8"  32 # 4200'  1580 SACKS-CIRCULATE  17 /18"  WC50,8 5/8"  WC70,5 1/2"  17 # 12550'  2220 SACKS-CIRCULATE  CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C w2% GEL, 2% CaCIZ (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C w2% CaCIZ (14.8 PPG, 1.34 CF/S, 6.30 GW/S).  INTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS  CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  PRODUCTION CASING: 115 STAGE-1200 SACKS 50/50 POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S, 11.90 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S) 11.90 GW/S). F/B 300 SACKS 50/50  POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S) 11.90 GW/S). F/B 300 SACKS 50/50  Notify OCD at SPUD & TIME: GENERAL REQUIREMENTS AND  Notify OCD at SPUD & TIME: GENERAL REQUIREMENTS AND  TO Witness Campaning the SPECIAL STIPULATIONS  ATTACHED  In Above Space Describe Propress 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 true verticle depths. Give blowout preventer program, if any.  24. Themsty certify then the applicant that an explicant holds legal or equilable title to those riphs in the subject lesse which would entitle the applicant to conduct operations thereon, CONDITIONS OF APPROVAL IF ANY:  Lands And Minerals  APPROVAL DATE  APPROVAL BATE  ASSISTANT Field Manager, DATE OCT 0 5 2000	21.Elevations (Show whe	· ·	-3940'		1 "
14 3/4" WC40,11 3/4" 42# 550 6/0 350 SACKS-CIRCULATE  11" WC50,8 5/8" 32# 4200' 1580 SACKS-CIRCULATE  7 7/8" WC70,5 1/2" 17# 12550' 2220 SACKS-CIRCULATE  CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C W/2% GEL, 2% CaCl2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S), F/B 250 SACKS CLASS C W/2% CaCl2 (14.8 PPG, 1.34 CF/S, 6.30 GW/S).  INTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S), F/B 570 SACKS  CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  PRODUCTION CASING: 115 TAGE-1200 SACKS 50/50 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S), F/B 300 SACKS 50/50  POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S), F/B 300 SACKS 50/50  POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S).  Notify OCD at SPUD & TIME:  GEMERAL REQUIREMENTS AND  SPECIAL STIPULATIONS  In Above Space Describe Proposed Frogram: If proposal is to define or subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  24. Inherity certify that the proposal frogram: If proposal is to define or subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  25. Inherity certify that the proposal frogram: If proposal is to define or subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  26. Inherity certify that the proposal frogram: If proposal is to define or subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  27. Inherity certify that the proposal frogram: If proposal is to define or subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  28. Inherity certify that the proposal frogram: If proposal is to develope the proposal does not vermant 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, and the proposal conduct operations th	23		PROPOSED CAS	ING AND CEMENT PROGR	RAM
11* WC50,8 5/8* 32# 4200' 1680 SACKS-CIRCULATE  7 7/8' WC70,5 1/2" 17# 12550' 2220 SACKS-CIRCULATE  CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C W/2% GEL, 2% CaCl2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C W/2% CaCl2 (14.8 PPG, 1.34 CF/S, 6.30 GW/S).  INTERMEDIATE CASING: 110 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS  CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  PRODUCTION CASING: 1st STAGE-1200 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL  @ 8800"—2nd STAGE-720 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 1190 GW/S). F/B 300 SACKS 50/50  POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S).  Notify OCD at SPUD & TIME  GENERAL REQUIREMENTS  TO witness comenting the SPECIAL STIPULATIONS  TATACHED  In Above Space Describe Proposal for to despen, give data on present productive zone and proposed new productive zone. If proposal is to despen, give data on present productive zone and proposed new productive zone. If proposal is to despen, give data on present productive zone and proposed new productive zone. If proposal is to despen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  24. Tatalety  TYPE OR PRINT NAME  A PHIN PAGE  APPROVED BY (OFFICE SCOL) AFMANDO A LOPEZ  TITLE ASSISTANT Field Manager,  DATE OCT 0.5 2000  APPROVED BY (OFFICE SCOL) AFMANDO A LOPEZ  TITLE ASSISTANT Field Manager,  DATE OCT 0.5 2000	SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8" WC70.5 1/2" 17# 12550' 2220 SACKS-CIRCULATE  CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C W/2% GEL, 2% CaCl2 (14.2 PPG, 1.50 CF/s, 6.30 GW/s). F/B 250 SACKS CLASS C W/2% CaCl2 (14.8 PPG, 1.34 CF/s, 6.30 GW/s).  INTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/s, 10.46 GW/s). F/B 570 SACKS  CLASS H (15.6 PPG, 1.18 CF/s, 5.20 GW/s).  PRODUCTION CASING: 1st STAGE-1200 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/s, 6.30 GW/s). DV TOOL  @ 8800"—2nd STAGE-720 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/s) 1190 GW/s). F/B 300 SACKS 50/50  POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/s, 6.30 GW/s).  Notify OCD at SPUD & TIME:  SPECIAL STIPULATIONS  ATTACHED  In Above Space Describe Proposed Program: Il proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to diffile or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if env.  24. Inhereby certify these the language flow and corporations of the subsurface locations and measured true verticle depths. Give blowout preventer program, if env.  TITLE Commission Coordinator  DATE 8/22/00  APPROVAL DATE  APPROVAL DATE  APPROVAL DATE  APPROVAL DATE  ASSISTANT Field Manager,  DATE OCT 0 5 2000  CONDITIONS OF APPROVAL, IF ANY:  Lands And Minerals	14 3/4"	WC40,11 3/4"	42#	550 610°	350 SACKS-CIRCULATE
CEMENTING PROGRAM: SURFACE CASING: 100 SACKS CLASS C W/2% GEL, 2% CaCl2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C W/2% CaCl2 (14.8 PPG, 1.34 CF/S, 6.30 GW/S).  INTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  PRODUCTION CASING: 1st STAGE-1200 SACKS 50/50 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL @ 8800"—2nd STAGE-720 SACKS 35/65 POZ CLASS H W/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 11.90 GW/S). F/B 300 GW/S). DV TOOL GENERAL REQUIREMENTS AND SACKS 50/50 GW/S).  Notify OCD at SPUD & TIME GENERAL REQUIREMENTS AND SACKS 50/50 GW/S).  APPROVED BY GENERAL REQUIREMENTS AND SACKS 50/50 GW/S). DV TOOL GENERAL REQUIREMENTS AND SACKS 50/50 GW/S). DV TOOL GENERAL REQUIREMENTS AND SACKS 50/50 GW/S).  APPROVED BY GENERAL REQUIREMENTS AND SACKS 50/50 GW/S).  APPROVED BY GENERAL REQUIREMENTS AND SACKS 50/50 GW/S). DV TOOL GENERAL REQUIREMENTS AND	11"	WC50,8 5/8"	32#	4200'	1680 SACKS-CIRCULATE
SURFACE CASING: 100 SACKS CLASS C w/2% GEL, 2% CaCl2 (14.2 PPG, 1.50 CF/S, 6.30 GW/S). F/B 250 SACKS CLASS C w/2% CaCl2 (14.8 PPG, 1.34 CF/S, 6.30 GW/S).  INTERMEDIATE CASING: 1110 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.20 GW/S).  PRODUCTION CASING: 1st STAGE-1200 SACKS 50/50 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL 8 8800—2nd STAGE-720 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S 1190 GW/S). F/B 300 SACKS 50/50 POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.30 GW/S).  Notify OCD at SPUD & TIME GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS  ATTACHED  In Above Space Describe Proporate Proporate Proposal is to deepen directionally, give perfamil it proposal is to drill or deepen directionally, give perfamil it proposal is to drill or deepen directionally, give perfamiled data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  24. I hereby certify there the purposed Frogram of the subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  24. I hereby certify there the purposed frogram of the subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  25. I hereby certify there the purposed frogram of the subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  26. TYPE OR PRINT NAME A Phil Ryan  TITLE Commission Coordinator DATE 8/22/00  27. PPROVED BY OFFIG. SCD.) ARMANDO A LOPEZ TITLE ASSISTANT Field Manager, DATE OCT 0.5 2000 CONDITIONS OF APPROVAL, IF ANY:  Lands And Minerals	7 7/8"	WC70,5 1/2"	17#	12550'	2220 SACKS-CIRCULATE
to witness cementing the SPECIAL STIPULATIONS  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 true verticle depths. Give blowout preventer program, if any.  24. I hereby certify that the longoing if true and confidence in the following proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  24. I hereby certify that the longoing if true and confidence in the subject lease which would entitle the applicant to conduct operations thereon.  APPROVAL DATE  APPROVAL DATE  APPROVED BY ORB SCD.) ARMANDO A LOPEZ  TITLE Assistant Field Manager, DATE OCT 0.5 2000 CONDITIONS OF APPROVAL, IF ANY:  Lands And Minerals	PPG, 1.34 CF/S, 6.30 INTERMEDIATE CAS CLASS H (15.6 PPG, PRODUCTION CASIN @ 8800'2nd STAGE-	GW/S). ING: 1110 SACKS 35/65 PO 1.18 CF/S, 5.20 GW/S). IG: 1st STAGE-1200 SACKS 720 SACKS 35/65 POZ CL/	Z CLASS H W/6% GE 5 50/50 POZ CLASS H ASS H W/6% GEL, 5%	L, 5% SALT, 1/4# FC (12.8 PPC I w/2% GEL, 5% SALT, 1/4# FC SALT, 1/4# FC (12.4 PPG, 2.14 IO GW/S).	G, 1.94 CF/S, 10.46 GW/S). F/B 570 SACKS  (14.2 PPG, 1.35 CF/S, 6.30 GW/S). DV TOOL 4 CF/S 1190 GW/S). F/B 300 SACKS 50/50
to witness comenting the SPECIAL STIPULATIONS ATTACHED  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 true verticle depths. Give blowout preventer program, if any.  24. Theseby certify that the longicular fine and cook and the substance of the proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.  TITLE Commission Coordinator  DATE 8/22/00  TYPE OR PRINT NAME Phil Ryan  This space for Federal or State office use)  PERMIT NO.  APPROVAL DATE  ASSISTANT FIELD Manager,  DATE OCT 0.5 2000  CONDITIONS OF APPROVAL, IF ANY:  Lands And Minerals		Notify OCD at S	PUD & TIME	GENERAL	REQUIREMENTS AND
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TITLE Commission Coordinator DATE 8/22/00  TYPE OR PRINT NAME P. Phil Ryan  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.  APPROVED BY ORG. SGD.) ARMANDO A LOPEZ TITLE Assistant Field Manager, DATE OCT 0 5 2000 CONDITIONS OF APPROVAL, IF ANY:  Lands And Minerals	In Above Space Descri to drill or deepen direc	be Proposed Program: If propo tionally, give pertinent data on	sal is to deepen, give of subsurface locations a	lata on present productive zone a and measured true verticle depths	nd proposed new productive zone. If proposal is . Give blowout preventer program, if any.
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CONDITIONS OF APPROVAL, IF ANY: Lands And Minerals	Application approval does no	ot warrant or certify that the applicant	holds legal or equitable title		A E 711111
			TITLE		9-1

DISTRICT 1 P. O. Box 1980, Hobbs, NM 88240

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

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

P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals and Natural Resources Department

# OIL CONSERVATION DIVISION

PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 10, 1994

· Instructions on back

Submit to Appropriate District Office

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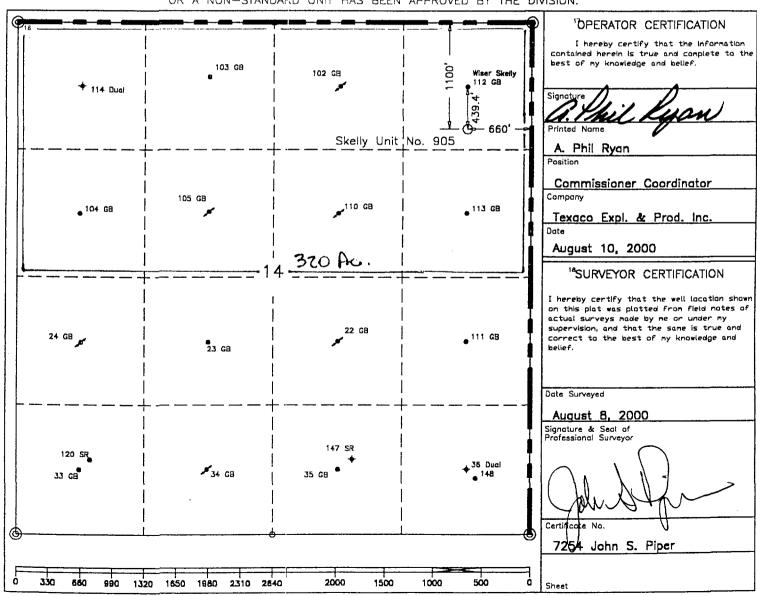
MENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name	
		Fren, Morrow	
Property Code		<sup>5</sup> Property Name Skelly Unit	<sup>6</sup> Well Number <b>905</b>
OGRID No. 22351	TEXACO EXPL	Baperator Name ORATION & PRODUCTION, INC.	g Elevation 3940°

Surface Location UL or lot no. Section Tawnship Range Lot Idn Feet from the North/South line Feet from the East/West line County 31-E 17-S 1100' 14 North 6601 Eddy East Bottom Hole Location If Different From Surface UL ar lat no. Section Lot Idn Feet from the North/South line Feet from the East/West line <sup>7</sup>County Township 12Dedicated Acres 13Joint or Infill 15Order No. 1 Consolidation Code 320

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.



#### DRILLING PROGRAM

SKELLY UNIT WELL No. 905

#### SURFACE DESCRIPTION:

See Item 11 (other information) in the attached Surface Use and Operations Plan.

FORMATION TOPS: Estimated KB Elevation: 3963'

Formation	Depth	Lithology	Fluid Content
Rustler	1314′	Anhy, Salt	
Yates	2569'	Anhy	
Queen	3414'	Ss, Dolomite	Oil
San Andres	4207 <b>′</b>	Dolo, Limestone	
Glorieta	5679 <b>′</b>	Dolomite	
Tubb	6862 <b>′</b>	Sandstone	
Abo	7403 <b>′</b>	Dolomite	
Wolfcamp Limestone	8939 <b>′</b>	Limestone	Oil
Strawn	11054'	Limestone	Gas
Atoka	11455′	Sandstone	Gas
Morrow Limestone	11709′	Limestone	
Morrow Sand	12730 <b>′</b>	Sandstone	Gas
Chester	12580′	Sandstone	
Total Depth:	12550′		

The base of the salt section is the top of the Yates at 2569'. No abnormal pressures or temperatures are anticipated to be encountered in this well. The Bottom Hole pressure at T.D. is estimated to be 7.9 PPG EMW (5135 PSI).

H2S in the San Andres formation is possible. H2S RADIUS OF EXPOSURE: 100ppm = 199', 500ppm = 91', based on 4300 ppm H2S and 692 MCF (see attached H2S Drilling Operations Plan. H2S equipment to be operational prior to drilling out Surface Casing Shoe.)

Duration of Operation: 46 Days to Drill & 8 Days to Complete

#### PRESSURE CONTROL EQUIPMENT:

A 3000 psi (or 5000 psi at drilling contractor's option) Dual Ram BOP with rotating head (See Exhibit C) will be installed after surface casing is set. A 5000 psi Dual Ram BOP with a rotating head and annular preventer will be used. (See Exhibit D). It will be installed after intermediate casing is set at 4200'. BOP will be tested each time it is installed on a casing string and at least every 29 days, and operated at least once each 24 hour period during drilling.

A PVT system will not be installed. We will be drilling thru the reserve pit and will circulate the steel pits one hour each tour to check for gains and losses and will be noted on the driller's log, which is Texaco's policy.

We do not plan to run an automatic remote-controlled choke. We will have installed and tested two manual, H2S trimmed, chokes.

#### CASING AND CEMENT PROGRAM:

The cementing program is detailed on Form 3160-3. All casing will be new.

#### Casing Program:

Surface Casing - 14 % hole, 11 %, 42#, WC-40, STC, set 0.550'.

Intermediate Casing: 11" hole, 4200' of 8 5/8", 32#, WC-50, LTC set @
4200'.

Production Casing: 7 7/8" hole, 8600' of 5 \( \frac{1}{2}'\), 17\( \text{#}\), WC-70, LTC & 3950' of 5 \( \frac{1}{2}'\), 17\( \text{#}\), SS-95, LTC set @ 12550'.

#### Centralizer Program:

Surface Casing - Centralize the bottom 3 joints and every 4th to surface.

Intermediate Casing - Centralize the bottom 3 joints.

Production Casing - Centralize every other joint from TD to 10800' and above and below the DV Tool @ 8800'.

#### MUD PROGRAM:

Depth	Type	Weight	Viscosity
<i>610'</i> 0'- <del>550</del> '	Fresh Water	8.4	28
400'-4200'	Brine	10.0	29
4200'-12550'	Fresh Water/Starch	8.4-10.1	29-40

#### LOGGING, TESTING:

GR-CAL-CNL-LDT, GR-CAL-DLL-MSFL, GR-CAL-BHC surveys will be run.

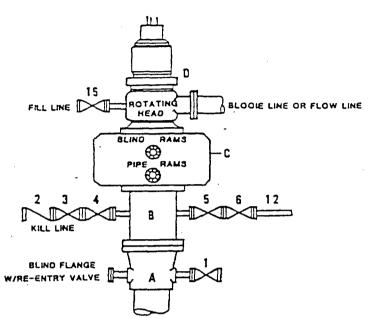
A two-man Mud Logging Unit will be used from 4200' to 12550'.

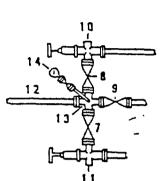
A drill stem test may be conducted in the Morrow, if needed.

Sidewall cores (25) are planned for the Morrow.

# DRILLING CONTROL CONDITION II-B 3000 WP

# FOR AIR DRILLING OR WHERE NITROGEN OR AIR BLOWS ARE EXPECTED





H2S TRIM REQUIRED

\_NO X

#### DRILLING CONTROL

### MATERIAL LIST - CONDITION II - B

A.	Texaco Wellhead
в .	Josef W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
<b>c</b> .	3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where substructure height is adequate, 2 ~ 3000# W.P. single ram type preventers may be utilized).
۵	Rotating Head with fill up outlet and extended Blogie Line.
1,3,4,	2" minimum 1000# W.P. flanged full opening steel gate valve, or Halliburton Lo Toro Plug valve.
2	2" minimum 3000# W.P. back pressure valve.
5,6,9	3" minimum 1000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
12	3" minimum schedule 80, Grade "B", seamless line pipe.
13	2" minimum x 3" minimum 3000# W.P. flanged cross.
10,11	2" minimum 3000# W.P. adjustable choke bodies.
14	Cameron Hud Gauge or equivalent ( location optional in choke line), $% \left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac{1}{2}\right) +\frac{1}{2}\left( \frac{1}{2}\right) +\frac{1}{2}$
15	2" minimum 3000f W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.



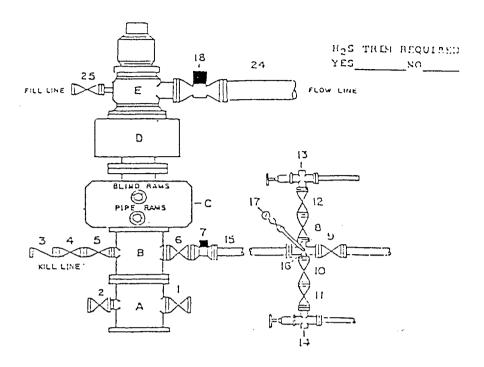
TEXACO, INC.



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EXHIB-IT C

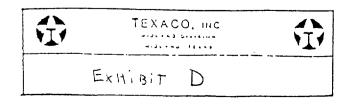
# DRILLING CONTROL CONDITION IN-8-5000 PSI WP



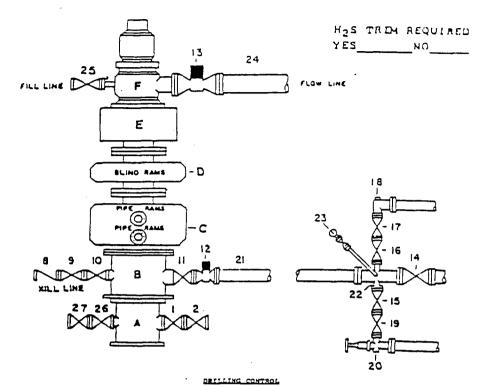
#### DRILLING CONTROL

#### HATERIAL LIST - CONDITION IV - B

A	Texaco Wellhead
3	5000f W.P. drilling spool with a minimum 2" flanged outlet for kill line and 1" minimum flanged outlet for choke line.
c	5000; W.P. Dual ram type preventer, hydraulic operated with 1" steel, 5000; W.P. control lines.
0	5000; W.P. Annular preventer, hydraulic operated with 1" steel, J000; W.P. control lines.
2	Rotating Head with fill up outlet and extended Bloomeline.
1,2,4,5, 8,10,11,	2° minimum 5000; H.P. flanged full opening steel gate valve, or Halliburton to Torc Plug valve.
3	2" minimum 5000; W.P. back pressure valve.
6,9	3" minimum 5000f W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
7	3" minimum 5000; W.P. flanged hydraulic valve
15	]" minimum Schedule 160, Grade B, seamless line pipe
16	2" minimum x 3" 5000; W.P. flanged cross
13,14	2" minimum 50004 H.P. adjustable chokes with carbide- tria.
17	Cameron Hud Gauge or equivalent (location in choke line optional).
: 3	6° minimum 1000; hydraulic flanged valve.
14	6" minimum otecl flow line.
: 5	2" minimum 1000f W.P. flanged or threaded fill opening steal gate valve, or Halliburton to Torc Plug valve.



# DRILLING CONTROL CONDITION 図-8 - 10,000 PSI WP



## MATERIAL LIST - CONDITION V-S

- A Texade Wellhead
- 2 10,0008 W.F. Drilling Spool with a minimum 2" flanged outlet for kill line and 4" minimum flanged outlet for cheke line
- C 10,0009 W.P. Duni Variable Ram Type preventer, hydraulic operated with 1" steel, 50006 W.P. control line
- D 10,000\$ W.F. Single Ram Type preventer, hydraulic operated with 1" steel, 1000\$ W.F. control lines
- E 10,0006 M.P. Annular preventer, hydraulic operated with 1° steel, 30006 M.P. control lines
- P When required Rotating Head with fill up outlet and extended Bloom line
- 1,2,9,10,  $2^{\alpha}$  minimum 10,0006 W.P. flanged full opening steel gate 15,16,17, valve, or Malliburton Lo Torc Plug valve 19,26,27
- 5 2" minimum 10,000# M.P. back pressure valve
- 11,14 4" minimum 10,000% W.F. flanged full opening steel gate valve
- 12 4° minimum 10,000¢ W.P. flanged full opening hydraulic valva
- 13 What required = 10° minimum 1000s W.P. flanged full opening hydraulic valve
- 21 4° minimum 10,000; W.P. 4130 mechanical tubing with flanged ends, or equivalent
- 22 24 minimum X 44 minimum 10,000% W.P. flanged cross
- 18 2" minimum 10,000% W.P. automatic choke
- 20 2" minimum 10,000; W.P. adjustable choke equipped with caspide trim
- 23 Cameron Mud Gauge or equivalent (location in chose line optional)
- 14 When required 104 steel flow line
- 25 2° minimum 1000¢ W.F. flanged or threaded full opening ateel gate valve or Helliburton Lo Torc plug valve



TEXACO, INC.



SCALE:	DATE	EST HO	DRG NO .
GRAWN ST.			
CHECKED BY			
10000450 04		1	

#### SURFACE USE AND OPERATIONS PLAN

#### FOR

#### TEXACO EXPLORATION AND PRODUCTION. INC.

SKELLY UNIT NO. 905

1100.0' FNL & 660.0' FEL, SECTION 14,

TWP. 17 SOUTH, RANGE 31 EAST, N.M.P.M.,

EDDY COUNTY, NEW MEXICO

LOCATED: 10 miles Easterly of Loco Hills, New Mexico

FEDERAL LEASE NUMBER: LC 029420A

LEASE ISSUED: Lease is in a producing status.

ACRES IN LEASE: 4160

RECORD LESSEE: Texaco Exploration and Production, Inc.

SURFACE OWNERSHIP: USA

GRAZING PERMITTEE: Olane & Ladoyce Caswell

1702 Gilham

Brownfield, Texas 79316

POOL: Fren, Morrow

<u>POOL RULES</u>: Field Rules are for no wells to be located closer than 10' to any quarter-quarter section and 660' from the nearest lease line and quarter section lines.

EXHIBITS: A. Access Road and Facilities Map

- B. Drilling Rig Layout Diagram
- C. Well Location and Acreage Dedication Plat 40 acres

#### 1. EXISTING ACCESS ROADS

A. Exhibit "A" is an enlarged portion of a 7.5 minute U.S.G.S. topographic map showing the proposed well site and the existing roads in the area. Point "A" is the junction of an existing resource road and State Highway 82. Said intersection is approximately 5.2 miles Southwesterly of Maljamar, New Mexico and 10 miles Easterly of Loco Hills, New Mexico along the major established Public Road System. From Point "A" as shown in Purple on Exhibit "A", go .30 miles Northwesterly, then .30 miles Northerly, then .58 miles Northeasterly, then .42 Northerly to Point "B", an intersection of two existing resource roads. Then go .30 miles Easterly along said resource road as shown in purple on Exhibit "A" to Point "C", the beginning of the proposed resource road.

#### 2. PLANNED RESOURCE ROAD

- A. <u>Length and Width:</u> From Point "C" as shown on Exhibit "A" a new 14 foot wide resource road will be constructed approximately 525 feet Southerly as shown in red on Exhibit "A" to the Southeast corner of the proposed well pad, as shown on Exhibits "A" and "B".
- B. <u>Surfacing Material:</u> Caliche material will be used to surface the proposed road. It will be watered, compacted, and graded.
- C. <u>Maximum Grade</u>: An approximate grade of one percent will be encountered descending from point "C" to the proposed well pad.
  - D. Turnouts: Turnouts will not be required.
- E. <u>Drainage Design:</u> The new road will be crowned at the center to direct drainage to ditches on both sides of the roadway with turnout ditches to be constructed as required.
  - F. Culverts: None will be required.
- G. <u>Cuts and Fills:</u> A slight amount of leveling will be required.
  - H. Gates and Cattle Guards: None will be required.

#### 3. LOCATION OF EXISTING WELLS

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

#### 4. LOCATION OF EXISTING AND PROPOSED FACILITIES

- A. The oil, gas, and/or water that this well produces will be stored at the proposed tank battery to be constructed on the proposed well site as shown on Exhibits "A" and "B".
- B. An electric power line 525.0 feet long will need to be constructed to service this site. It will be a 12,470 phase to phase, no neutral, rapture protected line.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

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

#### 6. SOURCE OF CONSTRUCTION MATERIALS

A. Caliche needed for the well pad will be taken from the proposed borrow pit located within the 400x400' archaeologically cleared tract at the proposed well site (See Exhibit "B" for location). If sufficient quality or quantity of caliche is not available, it will be transported to the proposed well site from from the existing pit located in the Northwest quarter of the Southeast quarter of Section 11, T17S, R31E, by the existing resource roads.

#### 7. METHOD OF HANDLING WASTE DISPOSAL

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
- C. Water produced during tests will be disposed of at commercial or company facilities.
- D. Oil produced during tests will be stored in test tanks until sold.
- E. Trash, waste paper, garbage and junk will be placed in a trash bin located on the drill site pad. It will be transported to an approved landfill for disposal within 30 days after completion of drilling and/or completion of operations. All waste material will be contained to prevent scattering by the wind.

#### 8. ANCILLARY FACILITIES

A. None required.

Surface Use and Operation Plan, Skelly Unit No. 905, 8/22/00, Pg. 4

#### 9. WELL SITE LAYOUT

- A. Exhibit "B" shows the relative location and dimensions of the well pad, mud pits, and the location of the major rig components.
- B. Cut and Fill requirements will be moderate, but clearing and leveling of the well site will be necessary.

#### 10. PLANS FOR RECLAMATION OF THE SURFACE

- A. After completion of drilling and/or completion of operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location will be cleaned of all trash and junk to leave the well site in an as aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until the pits are dry.
- C. After abandonment, all equipment, trash and junk will be removed and the well site will be cleaned. Any special reclamation and/or special revegetation requirements of the Surface Management Agency will be complied with and will be accomplished as rapidly as possible.

#### 11. OTHER INFORMATION

- A. <u>Topography:</u> The land surface in the area of the well is relatively level with moderate sand dunes. Regionally, the land slopes Southwesterly with average slopes of less than one to two percent.
  - B. Soil: Top soil at the well site is a moderate sandy loam.
- C. <u>Flora and Fauna:</u> The vegetation cover is moderate. It includes range grasses, weeds, scrub oak bushes, and mesquite bushes. Wildlife in the area is that typical of a semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, hawks, dove, quail and other small birds.
- D. <u>Ponds and Streams</u>: There are no rivers, lakes, ponds, or streams in the area.
- E. <u>Residences and Other Structures</u>: There are no occupied dwellings or other structures within 3/4 mile of the well site.
- F. <u>Archaeological</u>, <u>Historical</u>, <u>or other Cultural Sites</u>: None were observed in the area.
- G. <u>Land Use:</u> Grazing, oil and gas production, and wildlife habitat.

Surface Use and Operation Plan, Skelly Unit No. 905, 8/22/00, Pg. 5

#### H. Surface Ownership: Federal

#### 12. OPERATOR'S REPRESENTATIVE

A. Phil Ryan Commission Coordinator Texaco Exploration and Production, Inc. P. O. Box 3109 Midland, Texas 79702 Office Phone: (915) 688-4606

#### 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, and correct; and, that the work associated with the will operations proposed herein be performed  $\mathbf{b}\mathbf{y}$ Exploration and Production, Inc. and its contractors and subthe terms and contractors in conformity with this plan 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.

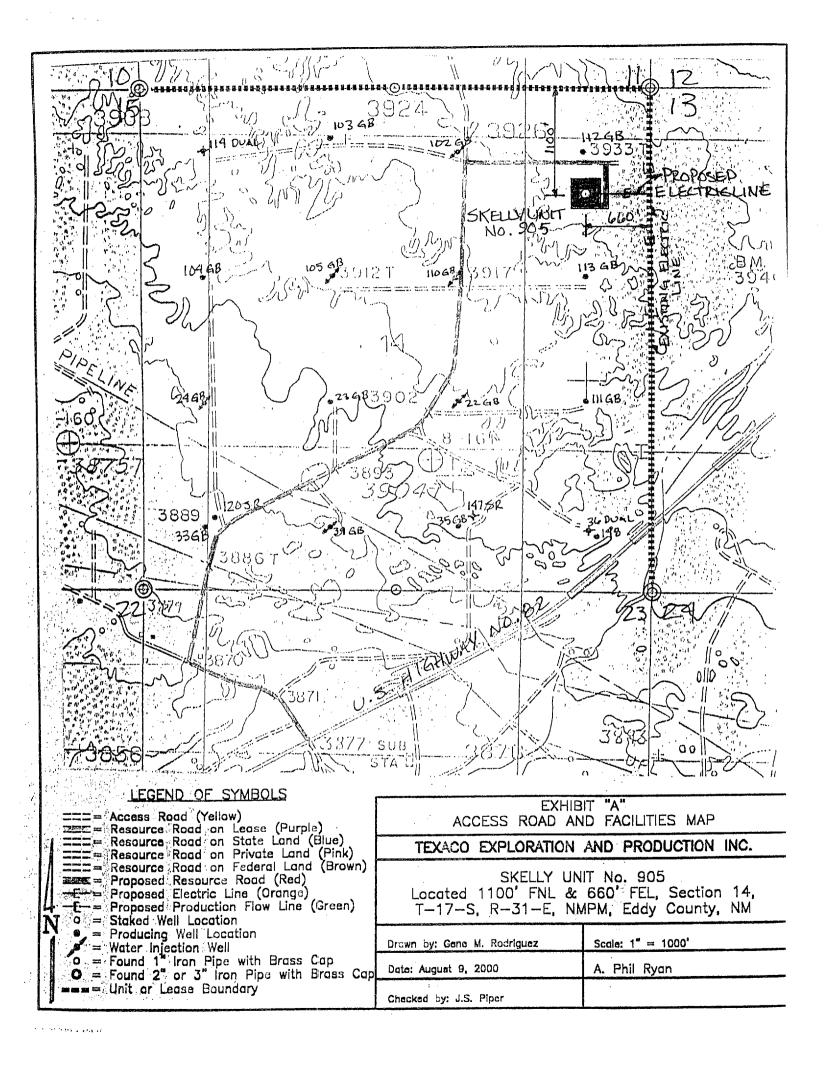
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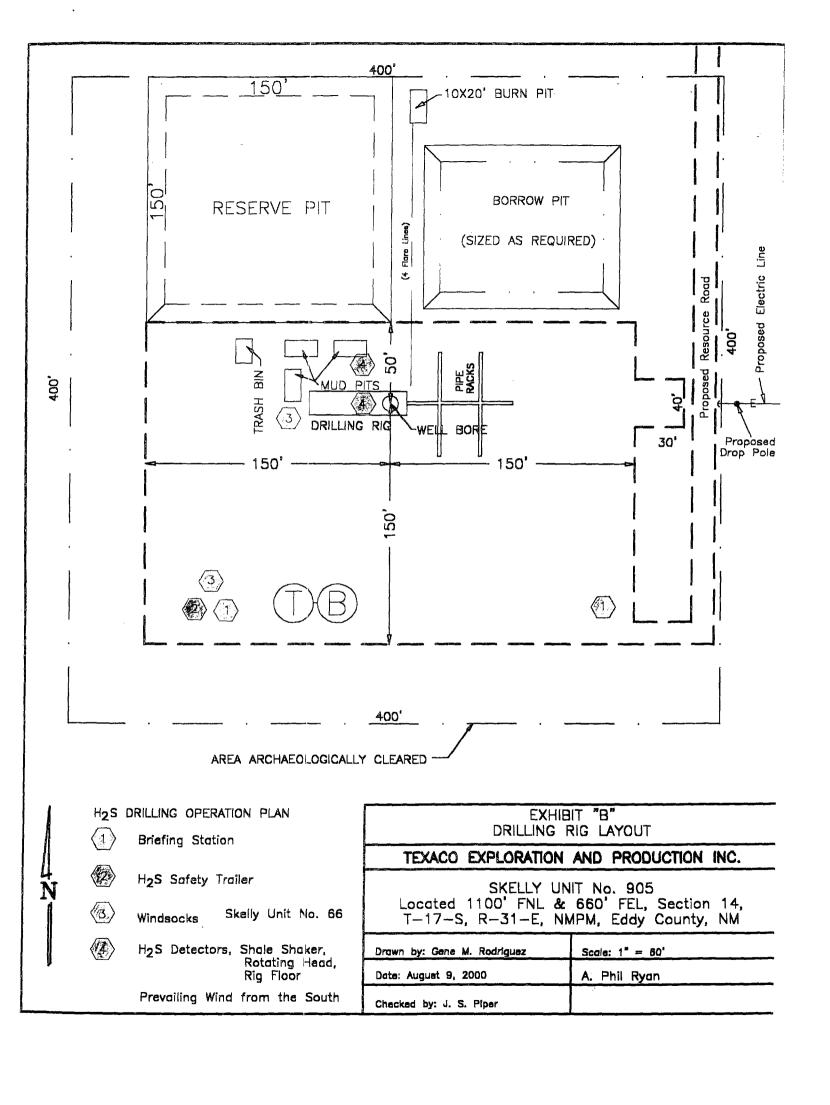
A. Phil Rya

Commission Coordinator

Midland, Texas

Enclosures jsp





DISTRICT 1
P. O. Box 1980, Hobbs, NM 88240

DISTRICT II P. C. Drower DD, Artesia, NM 88210

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

DISTRICT IV P. O. Box 2088, Santa Fe, NM 87504-2088 State of New Mexico
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 10, 1994

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AMENDED REPORT

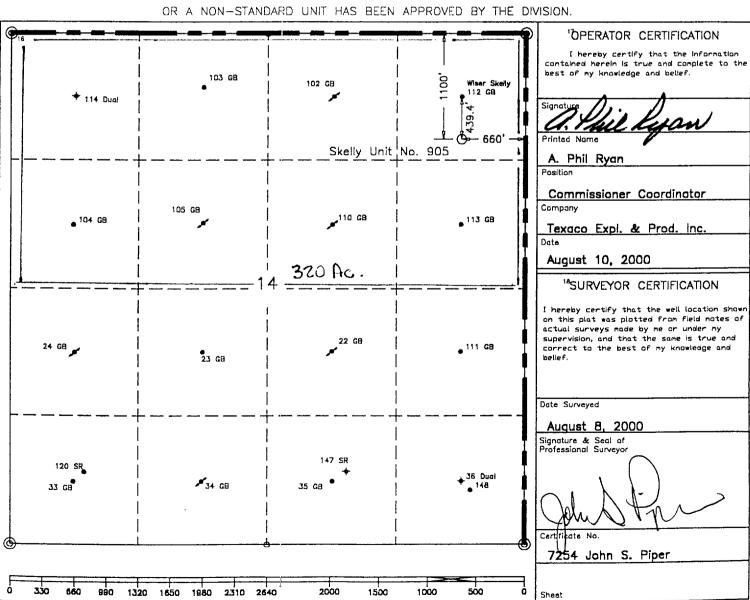
#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name	
		Fren, Morrow	
Property Code		<sup>5</sup> Property Name	<sup>8</sup> Well Number
-		Skelly Unit	905
OGRID No.	<sup>5</sup> Operator Name		<sup>9</sup> Elevation
22351	TEXACO EXPL	ORATION & PRODUCTION, INC.	3940'

Surface Location North/South line UL or lot no. Section Township Range Lot Idn Feet from the Feet from the East/West line <sup>7</sup>County 31-E 1100' 14 17-S North 660 East Eddy Bottom Hale Location If Different From Surface UL or lot no. Section Lot Idn Feet from the North/South line East/West line 13 Joint or Infill Dedicated Acres <sup>5</sup>Order No. Consolidation Code 320

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD LINIT HAS BEEN APPROVED BY THE DIVISION



#### HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

SKELLY UNIT WELL No. 905

#### RADIUS OF EXPOSURE

100 PPM: 199 feet

500 PPM: 91 feet Based on 4300 PPM H2S and 692 MCF.

#### TRAINING

Every person involved in the wellsite operation will be informed of the characteristics of hydrogen sulfide, its danger, safe procedures to be used when it is encountered, use of detection equipment, use of protective breathing equipment, and first aid procedures for regular rig personnel.

On site training will be provided by Texaco prior to reaching Order 6 compliance depth. The Texaco Drilling Supervisor is responsible for insuring all persons working on location have been provided training.

#### EXHIBIT A

Topographic map of location and surrounding area.

#### EXHIBIT B

The wellsite layout contains the following information:

- 1. Drill rig orientation
- 2. Prevailing wind direction
- 3. Location of all briefing areas
- 4. Location of access road
- 5. Location of flare line
- 6. Location of windsocks
- 7. Location of H2S Safety Trailer

#### EXHIBIT C

Well Control Equipment

#### PROTECTIVE EQUIPMENT

- 4 30 minute SCBA's: 2 located at each Briefing Station. An additional SCBA will be located at the Tool Pusher's trailer, if used.
- 5 5 minute escape packs will be located in the Dog House.

Means of communication while using protective equipment will be hand signals.

#### H2S SENSORS

H2S sensors will be located at (1) Shale Shaker (2) Rotating Head and (3) Rig Floor.

A light will be located on the rig floor. It will be set to go off at 10 PPM. It will be visible from anywhere on the location.

A siren will be located on the rig floor. It will be set to go off at 15 PPM.

Texaco Drilling Supervisor will maintain a portable H2S monitor.

#### MUD PROGRAM

A Fresh Water/ Brine system will be used. Ph will be maintained at 10 or higher if H2S is encountered. Sufficient quantities of H2S scavenger will be on location for use as required.

Drilling will be through an on site gas separator to separate gas from the drilling fluid with gas vented down a flare line equipped with an igniter.

#### METALLURGY

All wellheads, trees, BOP's, rotating heads, choke manifolds and piping will be constructed/trimmed with materials suitable for H2S service.

All casing and tubing will be no greater than 80000 psi yield strength and no greater than a Rockwell C-22 hardness.

#### OTHER REQUIREMENTS OF ORDER 6

The flare line (item 4 of exhibit I) will be equipped with a propane ignition.

The flare gun and flares will be located in the H2S Safety Trailer.

Communications for the location will be by Rig Telephone.

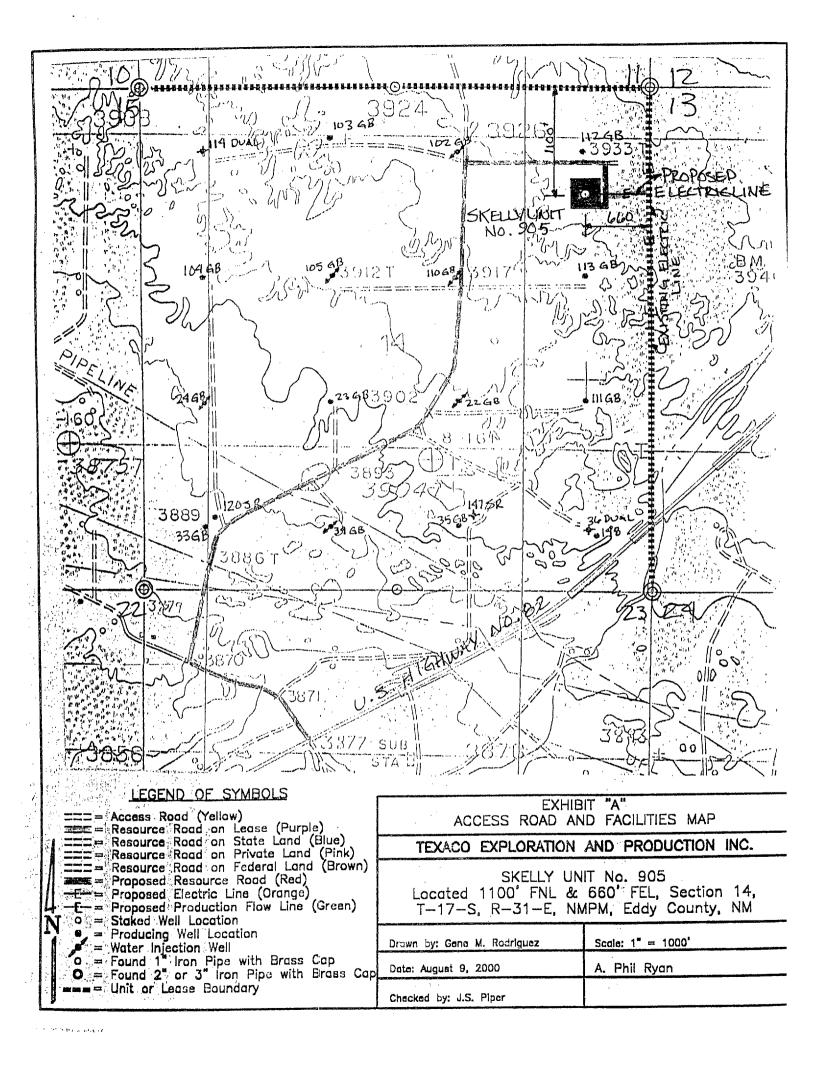
Wind direction indicators will be on the rig floor and at one briefing station with at least one visible from all points on the location.

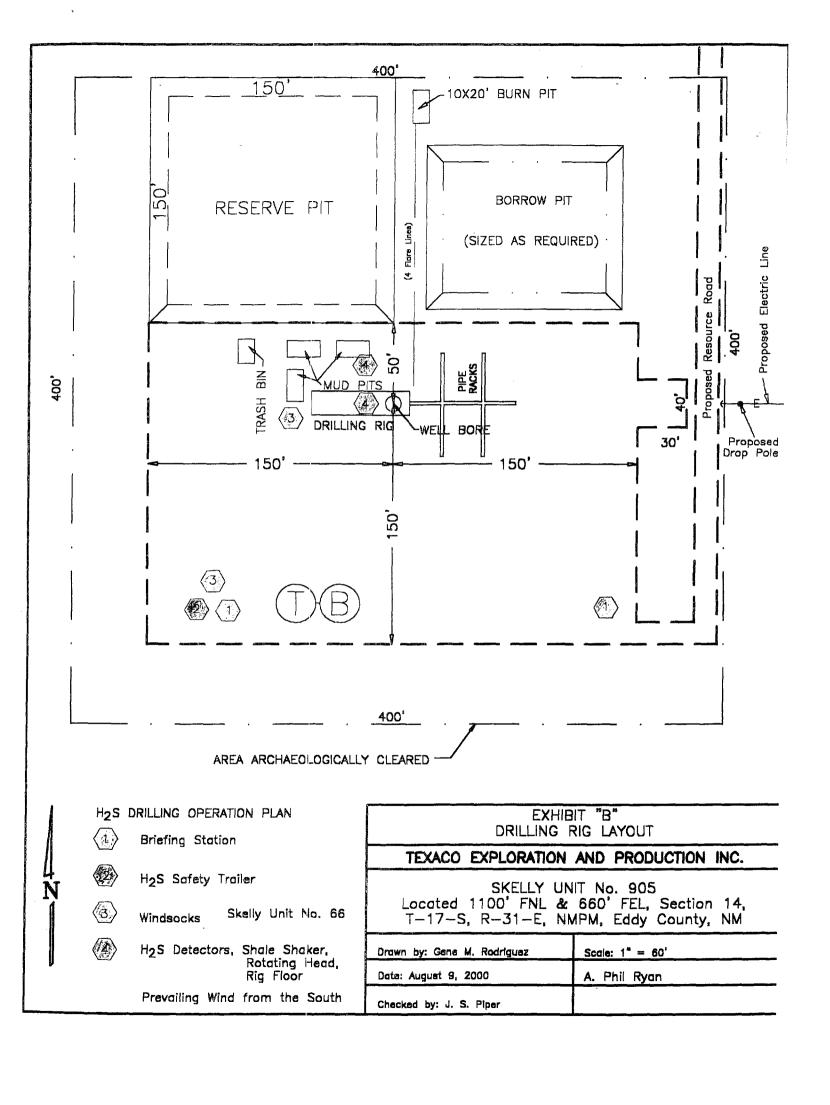
Caution/danger signs and flags will be maintained at all entrances into the location.

An automatic remote-controlled choke will not be used. We will have installed and tested two manual, H2S trimmed, chokes.

#### WELL TESTING

DST's may be conducted in the Morrow formation.





DISTRICT 1 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

P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994

Instructions on back

OIL CONSERVATION DIVISION

PO Box 2088 Santa Fe, NM 87504—2088 Submit to Appropriate District Office

State Lease-4 copies
Fee Lease-3 copies

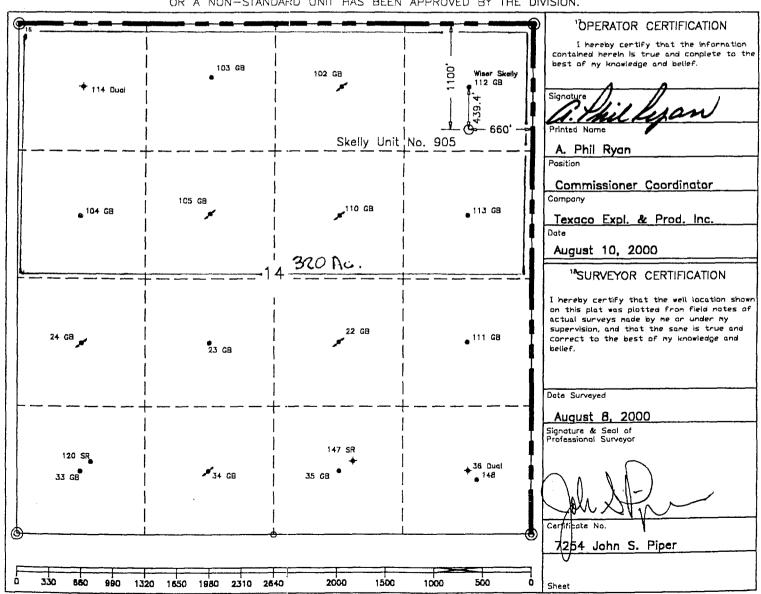
MENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<sup>2</sup> Paol Code	<sup>3</sup> Pool Name	
	Fren	, Marrow	
Property Code	<sup>5</sup> Property N	ome	6 Well Number
	Skelly t	Init	905
OGRID No.	8Operator N	ome	g Elevation
22351	TEXACO EXPLORATION & PRODUCTION, INC.		3940"

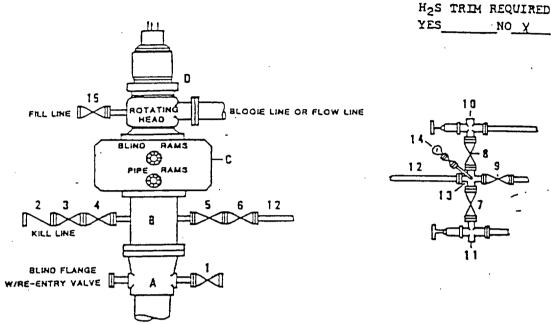
Surface Location UL or lot no. Section Township Ronge Lot Idn Feet from the North/South line Feet from the East/West line County 14 17-S 31-E 1100' Α North 660 Eddv East Bottom Hole Location If Different From Surface UL ar lat no. Section Range Lot Idn North/South line Township Feet from the Feet from the East/West line <sup>7</sup>County 12Dedicated Acres 13 Joint or Infill 1 Consolidation Code 15Order No. 320

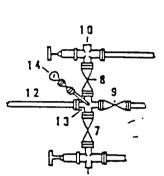
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.



### DRILLING CONTROL CONDITION II-B 3000 WP

### FOR AIR DRILLING OR WHERE NITROGEN OR AIR BLOWS ARE EXPECTED





NO Y

#### DRILLING CONTROL

#### MATERIAL LIST - CONDITION II - B

TAXACO	Metilierd

- 1000f W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- 3000% W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000% W.P. control lines (where substructure height is adequate, 2-3000% W.P. single ram type preventers may be utilized).
- Rotating Head with fill up outlet and extended Blogie ۵
- $2^{\rm st}$  minimum 3000% W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 2" minimum 3000# W.P. back pressure valve. 2
- $\ensuremath{\text{l^m}}$  minimum 1000f W.P. flanged full opening steal gate valve, or Halliburton Lo Torc Plug valve. 5.6.9
- 12 ]" minimum schedule 80, Grade "8", seamless line pipe.
- 2" minimum x 3" minimum 3000# W.P. flanged cross. 13
- 2" minimum 30004 W.P. adjustable choke bodies. 10,11
- Cameron Hud Gauge or equivalent ( location optional in 14 choke line).
- 2" minimum 3000% W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve. 15



TEXACO, INC. ---

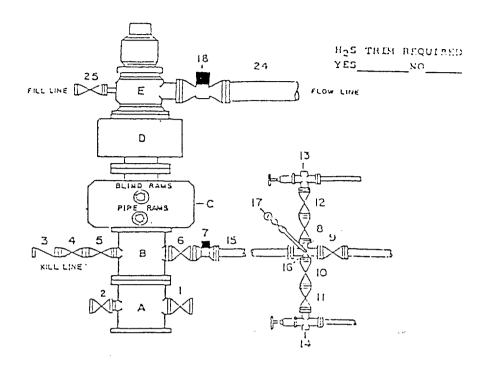


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SCALE	DATE	EST #0	DRG. NO.
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EXHIBIT C

# DRILLING CONTROL CONDITION IX-B-5000 PSI WP



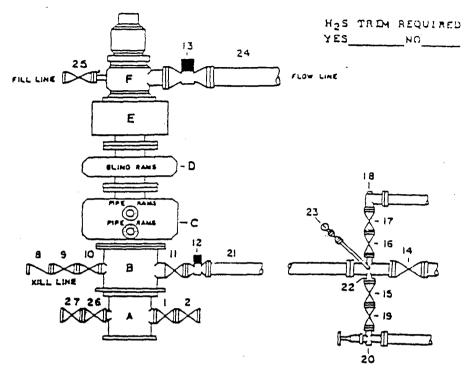
#### DRILLING CONTROL

#### MATERIAL LIST - CONDITION IV - 5

λ	Texaco Wellhead
3	5000) W.P. drilling spool with a minimum 2" flanged outlet for kill line and 3" minimum flanged outlet for choke line.
С	5000: W.P. Dual ram type preventer, hydraulic operated with 1" steel, 5000: W.P. control lines.
D	5000; W.P. Annular preventer, hydraulic operated with 1" steel, 1000; W.P. control lines.
Ε	Rotating Head with fill up outlet and extended Blooie line.
1,2,4,5, 8,10,11, 12	
3	2" minimum 5000; W.P. back pressure valve.
6.9	l" minimum 50004 W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
7	3" minimum 5000f W.P. flanged hydraulic valve
15	3" minimum Schedule 160, Grade B, seamless line pipe
16	2" minimum x 1" 5000# W.P. flanged cross
13,14	2" minimum 50004 W.P. adjustable chekes with carbide trim.
1.7	Cineron Hud Gauge or equivalent (location in choke line optional).
13	6" minisum 1000; hydraulic flanged valve.
: 4	8" minimum accel flow line.
:5	?" minious 10001 W.P. flanged or threaded fill opening steal gate valve, or Halliburton to forc Plug valve.



# DRILLING CONTROL CONDITION V-B - 10,000 PSI WP



#### DRILLING CONTROL

#### MATERIAL LIST - CONDITION V-S

<b>A</b>	Texade Wellhead
	10,0009 W.P. Orilling Spool with a minimum 2" flanged outlet for kill line and 4" minimum flanged outlet for chase line
c	18,8000 W.F. Dual Variable Ram Type preventer, hydraulic operated with 1" steel, 5000; W.F. control line
0	10,0008 W.P. Single Ram Type preventer, hydraulic operated with 1" steel, 50008 W.P. control lines
z	10,000# W.P. Annular preventer, hydraulic operated with 1° steel, 5000# W.P. control lines
•	When required - Rotating Head with fill up outlet and extended Blodie line
	2° minimum 10,0005 W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve
4	2" minimum 10,000# M.F. back pressure valve
11,14	$4^{\circ}$ minimum 10,0008 M.P. flanged full opening steel gate valve
12	$4^{\circ}$ minimum 10,000% W.P. flanged full opening hydraulic valve
13	When remuired - 10° minimum 10000 W.P. flanged full opening hydraulid valve
21	4° Binimum 10,000\$ W.P. 4120 Bechanical tubing with flanged ends, or equivalent
22	2" Sinisum X 4" minisum 10,0000 W.P. flanged cross
1.0	2° minimum 10,000\$ W.P. automatic chake
20	2° minimum 10,000\$ W.P. adjustable choke equipped with carbide trim
3.7	Cameron Mud Gauge or equivalent [location in choke line optional]



2" Binimum 10008 M.P. flanged or thresded full opening steel data valve or Halliburton to Torc plug valve

When required - 10" etect flow line

TEXACO, INC.



SCALE:	OATE	EST NO	Ī	DAG	*0	-
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APPROVED BY						

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