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DISTRIBUTION	
BANTAFE	
FILE	
U.S.O.S.	
LAND OFFICE	
UPERATOR	1 1

DISTRIBUTION		OIL CONSERVATOR OF O BOX	2088		Form C=103 Revised []=1=7
U.S.O.S. LAND OFFICE OPERATOR		•		Sa. indicate i State XX S. State Oil & L-G888	yea at Leize Fee Gus Lease No.
(DO NOT USE THE	SUNDRY NOTICE THE PROPERTY OF PER	ES AND REPORTS ON	CA TO A DIFFERENT RESERVOIR.	7, Unit Agree	ment Name
· ime of Operator	GAS OTHER-			8. Form or Lo	
Address of Operator	ps Petroleum Com			State 1	- 2
Room 4	101, 4001 Penbroc	k St., Odessa, Tex	as 79762	10. Field cond	l Pool, or Wildcat
	1980	PEET PROM THE North	LINE AND FEE		ated Bone Sprir
West		19-		- MPM.	
		15. Elevation (Show whether 3691 GR, 3712 R		12. County Lea	
N.	Check Appropri		ature of Notice, Report	or Other Data QUENT REPORT	OF:
PERFORM REMEDIAL WOR TEMPORARILY ASANDON FILL OR ALTER CASING	* []	PLUG AND ABANDON	REMEDIAL WORK COMMENCE DRILLING OPNS. CASING TEST AND CEMENT JOB OTHER Plug back &	P1	CTERING CASING LUG AND ABANDONMENT [ONE Springs X
OTHER					
Describe Proposed		Clearly state all pertinent det	ails, and give pertinent dates, in	scluding estimated dat	e of starting any proposi
2/2/87	CIBP @ 12760'. Come up to 10,2	COOM. RD wireline	pailer and dump 3 sac e. GIH with CIBP and p 3000#. Circ. hole COOH.	d set 0 10350'	•
2/3/87	Perforate w/4" DML charges 2 S of 188 holes.	OD casing gun Bone PF Spiral Phasing	Springs formation a top to bottom 8145'	s follows usin to 10114' - 94	ng 1', total
2/4/87	10060'-10064 &	10100'-10114' w/27	@ 10,200' pkr. @ 99 00 gal.s 15% NEFE HC h w/62 bbls. 2% KCL	L acid w/finds	perfs s suspension
2/5/87 2/6/87 2/7/87 2/11/87 2-12/87	Reset packer @ Acidize perfs 8 15% NEFE HCL ac	50' & set packer @ 8500'. Swabbed to 664'-8672', 9206'- id containing fine Continued o	clean up perfs. 9210', 8680'-8690' w ssuspension agent & n reverse side	rith 2800 gals clay stabiliz	ers.
I hereby certify the	t the information above is	true and complete to the best	of my knowledge and belief.		
111	the way	Mueller	g. Supervisor, Reser	voir DATE_	3/17/87
SKIGINA	L SIGNED BY JERRY SE	XTON		M	AR 1 9 1987

- 2/18/87 Swabbed to clean up perfs. Reset RBP @ 8248' & packer @ 8000'.
- 2/19/87 Acidize perfs 8145'-8161', 8646'-8656' w/2400 gal. 15% NeFe HCL acid containing fines suspension agent & clay stabilizers.
- 2/20/87 Swabbed 7 bbls. fluid.
- 2/21&22/87 SD for weekend.
 - 2/23/87 Continue swabbing.
 - 2/24/87 GIH w/plug & pkr. on 2-7/8" tbg. Set plug @ 9350'. Set pkr. @ 9320'. Test plug to 1000#. Unseat packer & reset @ 8000'. Swabbed 45 $^{\rm BLW}$ & trace of oil.
 - 2/25/87 Swabbed 10 hrs. rec. 10 BO & 35 BW.
 - 2/26/87 COOH w/ plug, packer & 2-7/8" tbg.
 - 3/3/87 Frac Bone Springs 8145-9251' w/60000 gals. crosslinked gelled 40#/1000 gal. 2% KCL wtr. & 105000# 20/40 sand.
 - 3/4/87- Swabbing back load.
 - 3/10/87
 - 3/11/87 Ran rods & 2-1/2" x 1-1/4" x 20'x24' pump.
 - 3/14/87 Pumping load water. Temp. drop from report until load water is recovered.

HO, OF COPIES ACCEIVED		5 6 564		•	Revised 10	1-1-78	
DISTRIBUTION		P. O. BOX				e Type of Lease	
SANTA FE	54	NTA FE, NEW	MEXICO 87501		STATE	-1	
FILE					L		
U.S.G.S.			-		{	l & Gas Leano No.	
LAND OFFICE					L-G8	88 TTTTTTTTT	
APPLICATION	N FOR PERMIT TO	DOUL DEEDEN	L OR PLUG BACK		-((((()		
ia. Type of Work	ANTOR LERMIT TO	DRILL, DELFEI	I, OR PEUG BACK	`	7. Upit Agr	eemont Name	
- · ·	1				/ Cint xigi	ceman Mana	
b. Type of Well DRILL	j	DEEPEN	P	LUG BACK X	8. Farm or	Lease Name	
WELL X WELL) other		SINGLE X	MULTIPLE		e 1-2	
. Name of Operator	J OTACK		ZONE LA.	ZONE	9. Well No.		
Phillips Petrol	eum Company					1	
2. Address of Operator					10. Field c	10. Field and Pool, or Wildcat	
4001 Penbrook St., Odessa, Texas 79762					ļ	·	
	ER E LO	·	NT -		111111	nated Bone Spri	
UNIT LETT	EN LO	CATED	FEET FROM THE NC	oren Liki			
NO 660 FEET FROM	THE West LI	NE OF SEC. 2	TWP. 19-SAGE.	. 32-E NMPK	HHH.		
				mminn	12. County	an Hilliam	
					Lea		
					TITITI		
			19. Froposed Depth	19A. Formati	ion	20. Retary or C.T.	
Llevations (Show whether Dr.		777777777	10150		Springs		
		& Status Plug. Bond	21B. Drilling Contrac	ctor	22. Approx	r. Date Work will start	
3691 GR, 3712 RI	KR 1				Upon A	pproval	
3.	5	CROOPINSED CASING A	ND CEMENT PROGRA	std.			
		77-12					
SIZE OF HOLE	SIZE OF CASING	I WEIGHT DED FOR	ハイト くにてていいた ひにも	DTU CACKE O	C CELELIZ	FC+C-	
SIZE OF HOLE 17-1/2"	SIZE OF CASING				OF CEMENT	EST. TOP	
17-1/2"	13-3/4"	48# & 54#	444'	450 sl	k ''C''	Surface	
	·			450 sl 612 sl	k ''C'' k H DV @	Surface 3300'; 2nd stag	
17-1/2" 11"	13-3/4" 8-5/8"	48# & 54# 32#	444' 5040'	450 sl 612 sl 1260 s	k "C" k H DV @ sk LW + 1	Surface 3300'; 2nd stag 00 sk "C"-surfa	
17-1/2"	13-3/4"	48# & 54#	444'	450 sl 612 sl 1260 s	k ''C'' k H DV @	Surface 3300'; 2nd stag 00 sk "C"-surfa 11845 (Temp.	
17-1/2" 11" 7-7/8"	13-3/4" 8-5/8" 5-1/2"	48# & 54# 32# 17#	13670'	450 sl 612 sl 1260 s	k "C" k H DV @ sk LW + 1	Surface 3300'; 2nd stag 00 sk "C"-surfa	
17-1/2" 11" 7-7/8" Present status: Lu	13-3/4" 8-5/8" 5-1/2"	48# & 54# 32# 17# ast field; PBT	444' 5040' 13670' 0 12950';	450 s 612 s 1260 1600 s	k "C" k H DV @ sk LW + 1	Surface 3300'; 2nd stag 00 sk "C"-surfa 11845 (Temp.	
17-1/2" 11" 7-7/8" Present status: Lu	13-3/4" 8-5/8" 5-1/2" usk Wolfcamp, East test 9/5/86:	48# & 54# 32# 17# ast field; PBT: 3.8 BOPD, 1	444' 5040' 13670' 12950'; 1 MCFGPD, 11 B	450 s 612 s 1260 1600 s	k "C" k H DV @ sk LW + 10 sk "H"	Surface 3300'; 2nd stag 00 sk "C"-surfa 11845 (Temp. Survey)	
17-1/2" 11" 7-7/8" Present status: Lu La Proposed Procedure: w/dump bailer & c	13-3/4" 8-5/8" 5-1/2" usk Wolfcamp, East test 9/5/86: Pull rods & p	48# & 54# 32# 17# ast field; PBT: 3.8 BOPD, 1 bump. NU BOP.	444' 5040' 13670' 12950'; 1 MCFGPD, 11 B COOH w/tbg.	450 sl 612 sl 1260 sl 1600 sl WPD MI & RU wi: 2950'. Set	k "C" k H DV @ sk LW + 10 sk "H" reline un	Surface 3300'; 2nd stag 00 sk "C"-surfa 11845 (Temp. Survey) it. GIH	
17-1/2" 11" 7-7/8" Present status: Lu La Proposed Procedure: w/dump bailer & c	13-3/4" 8-5/8" 5-1/2" usk Wolfcamp, East test 9/5/86: Pull rods & p	48# & 54# 32# 17# ast field; PBT: 3.8 BOPD, 1 bump. NU BOP.	444' 5040' 13670' 12950'; 1 MCFGPD, 11 B COOH w/tbg.	450 sl 612 sl 1260 sl 1600 sl WPD MI & RU wi: 2950'. Set	k "C" k H DV @ sk LW + 10 sk "H" reline un	Surface 3300'; 2nd stag 00 sk "C"-surfa 11845 (Temp. Survey) it. GIH	
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17-1/2" 11" 7-7/8" Present status: Lu La Proposed Procedure: w/dump bailer & c Load hole w/240 h 50 bbls. 10% aces	13-3/4" 8-5/8" 5-1/2" usk Wolfcamp, East test 9/5/86: Pull rods & plump 5 sk Class bls. 2% KCl wtr	48# & 54# 32# 17# ast field; PBT: 3.8 BOPD, 1 bump. NU BOP. "H" cmt. on to Pressure to 200' to 8000'	444' 5040' 13670' 13670'; 1 MCFGPD, 11 B COOH w/tbg. op of CIBP @ 1 est bridge plu COOH w/tbg.	WPD MI & RU wi: 2950'. Set g & csg. to GIH w/4"	k "C" k H DV @ sk LW + 10 sk "H" reline un t CIBP @ c 500 psi casing g	Surface 3300'; 2nd stag 00 sk "C"-surfa 11845 (Temp. Survey) it. GIH 10350'. Spot	
17-1/2" 11" 7-7/8" Present status: Lu La Proposed Procedure w/dump bailer & a Load hole w/240 h	13-3/4" 8-5/8" 5-1/2" usk Wolfcamp, East test 9/5/86: Pull rods & plump 5 sk Class obls. 2% KC1 wtracid from 10 ation as follows	48# & 54# 32# 17# ast field; PBT: 3.8 BOPD, 1 bump. NU BOP. "H" cmt. on to Pressure to 200' to 8000'	444' 5040' 13670' 13670'; 1 MCFGPD, 11 B COOH w/tbg. op of CIBP @ 1 est bridge plu COOH w/tbg.	WPD MI & RU wi: 2950'. Set g & csg. to GIH w/4"	k "C" k H DV @ sk LW + 10 sk "H" reline un t CIBP @ c 500 psi casing g	Surface 3300'; 2nd stag 00 sk "C"-surfa 11845 (Temp. Survey) it. GIH 10350'. Spot	
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TAN 1 3 1987

CONDITIONS OF APPROVAL, IF ANY

STATE OF NEW MEXICO

PROCEDURE Contd.:

GIH w/RBP & RTTS-type packer on 2-7/8" tbg. Set RBP @ +10200' & set packer @ +9950'. Swab well to clean up perforations. Acidize Zone 4 Bone Spring perforations w/2700 gals. 15% NEFE HCl acid containing fines suspension agent & clay stabilizer. Flush acid to perforations w/61 bbls. 2% KCl water. Swab test well.

Unseat packer, unseat RBP. Reset RBP @ ±9350', set packer @ ±9320' & test RBP to 1000 psi. Unseat packer & reset @ ±9100'. Swab test well to clean up perforations. Acidize Zone 3 Bone Spring perforations w/3200 gals. 15% NEFE HCl acid containing fines suspension agent & clay stabilizer. Flush acid to perforations with 56 bbls. 2% KCl wtr. Swab test well. Unseat packer, unseat RBP. Reset RBP @ ±8800', set packer @ 8770' & test RBP to 1000 psi. Unseat packer & reset @ 8500'. Swab test well to clean up perforations. Acidize Zone 2 Bone Spring perforations w/2800 gals. 15% NEFE HCl acid containing fines suspension agent & clay stabilizer. Flush acid to perforations w/54 bbls. 2% KCl wtr. Swab test well.

Unseat packer, unseat RBP. Reset RBP @ ± 8250 ', Set packer @ 8220' & test RBP to 1000 psi. Unseat packer & reset @ ± 8000 '. Swab test well to clean up perforations. Acidize Zone 1 Bone Spring perforations w/2400 gals. 15% NEFE HCl acid containing fines suspension agent and clay stabilizer. Flush acid to perforations w/50 bbls. 2% KCl wtr. Swab test well.

Maximum treating rate 4 BPM @ 4000 psi maximum surface pressure. Maintain 500 psi on tbg.-csg. annulus while acidizing.

Unseat packer, unseat RBP. COOH w/tbg., packer, & bridge plug. GIH w/10000' 2-7/8" production tbg. GIH w/1-1/16" pump on rod string. (188 4700' 5/8" rods, 81 2025' 3/4" rods, 72 1800' 7/8" rods, 64 1600' 1" rods).

Hang well on. Run unit @ 10 SPM & 120" stroke.

