Hobbs, NM 88240 <u>District II</u> - (505) 748-1283 811 S. First Artesia, NM 88210 <u>District III</u> - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 <u>District IV</u> - (505) 827-7131 2040 S. Pacheco Santa Fe, NM 87505	nergy Minera O	New Me Is and Natura il Conservati 2040 South Pac Santa Fe, New M (505) 827	al Resources on Division heco Street exico 87505	Depa	rtment	Form C-140 Revised 06/99 SUBMIT ORIGINAL PLUS 2 COPIES TO APPROPRIATE DISTRICT OFFICE
	10/					
	<u>vv</u>	ELL WORKOVE	<u>R PROJECT</u>	311	-	
I. Operator and Well Operator name & address		H-0	1900		d	· · · · · · · · · · · · · · · · · · ·
EOG Resources, Inc.					OGRID N	umber
P.O. Box 2267	A A					7377
Midland, Texas 797 Contact Party	02				Dhama	
M. Lee Roark					Phone 9	15/686-3608
Property Name Hallwood "1" Federal	Com		Well Numi	per	API Numb	
UL Section Township Range	Feet From The	North/South Line	Feet From The	East/V	Vest Line	5-31649 County
C 1 255 33E	660	North	1980	Wes	st	Lea
Date Workover Commenced: Previou	s Producing Pool(s) (F	Prior to Workover):				
3-20-1999 Date Workover Completed: Pj	tchfork Ranch	(Monnow)				
4-8-1999		(MOLLOW)				
III. Attach a description of th	e Workover Proce	edures performe	d to increase pro	duction	า.	
IV. Attach a production decli least three months of pro	ne curve or table duction following	showing at least the workover ret	twelve months o	of produ	iction prio	r to the workover and at
V. AFFIDAVIT:			lecung a positive	produ	cuon incre	ease.
State of <u>Texas</u>)					
County of Midland) ss.					
M. Lee Roark	being first duly sv	vorn, upon oath :	states:			
1. I am the Operato 2. I have made, or o	r, or authorized re	presentative of	the Operator, of	the abo	ve-refere	nced Well.
Well.	caused to be mad	e, a diligent seai	ch of the produc	tion rea	cords reas	sonably available for this
3. To the best of m	y knowledge, this	application and t	he data used to	prepar	e the proc	luction curve and/or table
for this Well are	complete and acc	urate.				
Signature <i>H H</i> SUBSCRIBED AND SWORN TO	before me this	itle <u>Engineer</u> 14th day of Ma	Tech rch 200	00	Date _3	3/14/2000
,	*****************		1 1 L			
My Commission expires	PEGGY C. LAVINE Notary Public, State of Ten by Commission Expires 12-1	as Notary Pr	iblic	mi		
-					· · · · · · · · ·	
FOR OIL CONSERVATION DIVISIO	N USE ONLY:					

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 4-8, 1999.

Signature District Supervisor	OCD District	Date	1	1
Tan 3 Hants	1	3	118	12000
- June Juney				

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

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Deog resources

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WELL CHRONOLOGY REPORT

VELL NAME : HALL			DISTRICT :	MIDLAND	
	TCHFORK RANCH	(MORROW)		560' FNL & 1980' FWL, SE	EC 1-25S-33E
COUNTY & STAT		-	NM CONTRACTOR :		
WI% :75.33409	AFE# : <u>101655</u>	API# :	PLAN DEPT	TH: <u>13,660</u> SPUD D	ATE: 08/10/19
DHC : <u>\$96,000</u>	CWC :	AFE TOTAL : <u>\$96,0</u>	00 FORMATION : 1	NOLFCAMP	
REPORT DATE : 03/	20/1999 MD:0	TVD :0	DAYS : 0	MW :	VISC
DAILY : DC : \$0	CC : <u>\$2.</u>		CUM: DC: <u>\$0</u>	CC: <u>\$2,200</u>	
ACTIVITY AT RE	PORT TIME : RD F		00M. D0. <u>40</u>	CC: <u>\$2,200</u>	TC: <u>\$2,200</u>
DAILY DETAILS :	decreasing to va	e connections. RU flang surf 300 and Cla-Sta XP, cumn while pumping. Fo essa. Will run gauge ring	ound thread in 4-1/2" lift	fance No 8rd ordero	ressure 1400 psig
REPORT DATE : 03/		TVD :º	DAYS :	MW ;	
DAILY : DC : \$0	CC : <u>\$70</u>		CUM : DC : <u>\$0</u>		VISC :
	PORT TIME : <u>Shut</u>			CC: <u>\$2,900</u>	TC: <u>\$2,900</u>
	torqued). TOH v below tbg collar)	n obstruciton @ 4625'. S encountering addtional o vith sinker bars and gaug TOH with sinker bars an	Distructions (indications le ring PU baker 2.563	that tbg connection ma CIBP and TIH to 14.6	y have been over
REPORT DATE : 03/2		TVD :⁰	DAYS :	MW :	VISC :
DAILY : DC : <u>\$0</u>	CC : <u>\$5,2</u>		CUM: DC: <u>\$0</u>	CC: <u>\$8,100</u>	TC: <u>\$8,100</u>
	ORT TIME : <u>RU EC</u>				
DAILY DETAILS :	RU N2 pump equ (7-5/8" x 3-1/2"). equipment. SI.	uipment. Pressured plug RU wireline and dumpe	with N2 with 5000 psig d 20' of cement on top c	. Held with no commur ff CIBP @ 14,512' TO⊦	nication with annu I and RD wireline
REPORT DATE : 03/2	23/1999 MD:0	TVD :0	DAYS :	MW :	VISC :
DAILY:DC: <u>\$0</u> ACTIVITY AT REP			CUM: DC: <u>\$0</u>	CC: <u>\$10,860</u>	TC: <u>\$10,860</u>
	tree. PU tree (pu disassembling an	unit to location and RU s Borek out double stud (7 Iling over 200,000 lbs to d installing balls as pull st or displacement mud from	obtain space to set tbg stands installed 5 000 lb	00#) on base of 3-1/2 ; slips). Worked out wra x 7 1/16" bydraulia DC	< 4-1/8", 10,000 lb p around by partia
REPORT DATE : 03/2	_	TVD :0	DAYS :	MW :	VISC :
DAILY: DC: <u>\$0</u>	CC : <u>\$13,2</u>	225 TC : \$13,225	CUM: DC: <u>\$0</u>	CC: <u>\$24,085</u>	TC: <u>\$24,085</u>
	tops of 18 rounds Pulled tbg string to psig, tbg wt declin	Baker Atlas electric WL. of 80 point (out of 100 n , down hole. Worked 8 n o max pull of 210,000 lbs ed to 160,000 lbs (pump reel pipe available for pres	ound of left hand torque unable to move tbg. R ing tbg up hole) Repeat	a,000°. Work right hand into tbg. Fired string a U pump truck and pres	d torque, with max shot @ 13,996'. sure tbg to 4500

Page	2
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Seog resources	WE	LL CHRON	OLOGY REPO	RT	Page 2
REPORT DATE : 03/25/1	999 MD:0	TVD : 0	DAYS :	MW :	VISC :
DAILY : DC : <u>\$0</u>	CC : <u>\$5,630</u>	TC : <u>\$5,630</u>	CUM: DC: <u>\$0</u>	CC: <u>\$29,715</u>	TC: <u>\$29,7</u>
ACTIVITY AT REPOR					
and hei	d pull wts between avy mud utilizing 36	160,000 lbs and 19 00 bbls of water. No	mped out 10 additional j ollowing backoff, pump j 5,000 lbs. Gained circ a ote: To RU reverse circu Wolfcamp formations.	fer pulling 12 its of 3	en 4200-4500
REPORT DATE : 03/26/1	999 MD:0	TVD :0	DAYS :	MW :	
DAILY : DC : \$0		TC : <u>\$3,730</u>	CUM: DC: <u>\$0</u>		VISC :
ACTIVITY AT REPORT			ουμ. DO. <u>φυ</u>	CC: <u>\$33,445</u>	TC: <u>\$33,4</u>
Circ	nd back tbg in derri	D reverse equipme	Washed down, removin nt. RU and TOH with 28 nections in low gear and	() its of 3_1/2" 12 05##	H D105 DUG+6
REPORT DATE : 03/27/19	999 MD:0	TVD :0	DAYS :	MW :	VISC :
DAILY : DC : <u>\$0</u>	CC : <u>\$3,140</u>	TC : <u>\$3,140</u>	CUM: DC: <u>\$0</u>	CC: <u>\$36,585</u>	TC: <u>\$36,58</u>
ACTIVITY AT REPORT			tbg. Pulled tbg as follow		<u></u>
1 D 112 KB TB0 Lay	OUBLE PIN 2 JTS OF 3-1/2', 12 TOP TBG 3 BACKOFF red down 34 jt of 3-	2.95#/FT, L80, PH6 2.95#/FT, N80, PH6 1/2" 12.95, N80, PH d bit scraper (2-7/8'	.45	of picking up 2-7/8" tbg	1 for run in 5-1/2
REPORT DATE : 03/28/19	999 MD:0	TVD:0	DAYS :	MW :	\#00 ·
DAILY : DC : \$0	CC : \$3.520	TC : <u>\$3,520</u>	CUM: DC: <u>\$0</u>		VISC :
ACTIVITY AT REPORT		10. <u>40.020</u>		CC: <u>\$40,105</u>	TC: <u>\$40.10</u>
DAILY DETAILS : 10 H bit a	nrs PU 4-1/2" bit, bi	t sub, 5-1/2, 23# ca ing 3-1/2", 12.95#/fi	asing scraper. PU 18 jts t, N+L80, P105, PH6 tbg	of 2-7/8", 7.9#/ft, N80, TI to top of liner to ci	PH6 tbg. TIH v irc down in liner
REPORT DATE : 03/29/19	999 MD:0	TVD :0	DAYS :	MW :	VISC :
DAILY: DC: <u>\$0</u>	CC : <u>\$5,050</u>	TC : \$5,050	CUM: DC: <u>\$0</u>	CC: <u>\$45,155</u>	TC: <u>\$45,15</u>
ACTIVITY AT REPORT	TIME :		-	1.01100	···· <u>Ψ-0,10</u>
3	-1/2 his displaced	n bit and scraper, w hole with 560 bbls o lled 280 jts of tbg.	hile circulating from 13,0 of treated 2% KCL (lo sui SIFN.	38' (top of 5-1/2" liner) f 300). 5-1/2 hrs TC	to 13,728' KB. 0H with 3-1/2" tb
REPORT DATE : 03/30/19	199 MD:0	T VD : 0	DAYS :	MW :	VISC :
DAILY : DC : <u>\$0</u>	CC : <u>\$3,950</u>	TC : <u>\$3,950</u>	CUM: DC: <u>\$0</u>	CC: <u>\$49,105</u>	TC: <u>\$49,10</u>
ACTIVITY AT REPORT					
PH6 12.9	5, 239 jts of 3-1/2", 5, 239 jts of 3-1/2", 5#/ft, P105, PH6 tt paround hanger and	12.95#/ft, L80, PH6 09. Landed pkr @	and bit pick up. 1 jt of 2- 18 jts of 2-7/8", 7.9#/ft, N iCB 23 jts of 3-1/2", 12.9 13.556' KB. Set pkr @ 2 7-1/16 x 3-1/2"). SIFN. 1	180, PG6, 84 jts of 3-1 5#/ft, P-105, PHGCB, 25 000 lbs of set down	/2", 12.95#/ft, N and 65 jts of 3-

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ACTIVITY AT REPORT TIME : <u>FLOWING TO SALES</u> DAILY DETAILS : Flowing to sales for 23-1/4 hrs. Produced 2704 MCF. 350 bbls condensate, 0 BW, controls on produc sep froze off (Big Joe) @ 03:15 returned to sales @ 04:30. Pressure (TP) increased from 805 pig to 7: psig during the 1-1/4 hrs well was shut in (froze off). Current flow conditions @ 0700. Chk 16/64, FTP : psig LP 843 psig, gas rate 4,200 MCF, oil rate 16 bbls/hr, H2O 0/hr. Total oil rec to date 425 bbls. Tota H2O 99 bbls. Note: RD service unit, released all rental equipment except tanks. REPORT DATE : 04/02/1999 MD : 0 TVD : 0 DAYS : MW : VISC : DAILY : DC : \$0 CC : \$2.500 TC : \$2.500 CUM : DC : \$0 CC : \$66,026 TC : \$66,07 ACTIVITY AT REPORT TIME : <u>FLOWING</u> DAILY DETAILS : 13 hrs flowing to sales on 48/64" chk, FTP 804 psig, LP 710 psig, spot rate 3,116 MCFD, oil rate 16 bbl 0 BW, sold 2717 MCF. RU Arc pressure BHP guages, PU conventional and electronic gauges. TIH ma gradient stop @ 2500'-5000', 7500', 9500', 11,500', 13,447' and 13,647' (mid perfs). Zeroed @ surface Wolfcamp perforations 13,660-13,674', 13,678-13,680'. Flowed well for 1 hr. 11 hr SI for pressure buildup. SITP @ 0700, 7220 psig in 11 hrs. Set acid, KCL and CO2 tanks REPORT DATE : 04/03/1999 MD : 0 TVD : 0 DAYS : MW : VISC : DAILY : DC : \$0 CC : \$0 CC : \$0 CUM : DC : \$0 CC : \$66,026 TC : \$66,02 ACTIVITY AT REPORT TIME : <u>SHUT IN</u> DAILY DETAILS : SITP 7450 psig, 36 hrs. REPORT DATE : 04/04/1999 MD : 0 TVD : 0 DAYS : MW : VISC : DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$66,026 TC : \$66,02 ACTIVITY AT REPORT TIME : <u>SHUT IN</u> DAILY DETAILS : SITP 7450 psig, 36 hrs.	beog resources		WE	ELL CHRON	OLOGY REPO	RT	
 DAILY: DC: \$2 CC: \$12.061 TC: \$12.061 CUM: DC: \$0 CC: \$41.166 TC: \$12.061 ACTIVITY AT REPORT TIME: DAILY DETAILS: 2-1/2 hrs finished NU free (7-1/16 x 10,000 psig). Tested pkr to 5000 psig, installed csg relief valve and @ 4000 psig. Pressure annulus (7-56" x 3-1/2") to 5500 psig. Tested tby to 9300 psig. OK. Release pressure. 2-1/2 hrs utiling on writing equipment to perf. 8 hrs RVD paker VU. PV 10,000 psig lubricator and tested to 7000 psig. Rar spent perforating gun and Gamma Ray CCL to 13,900°. Ran correlation to for forn 13,000 to 13,300° (Correlating with Density -Neutrol D2/17/92). TOH and PU 2 HSC perforating gun with predator charges. TiH and tie in with Gamma Ray perforated Wolfcamp Inter follows. 13,660°-13,674°-14°-28 HOLES 0 DEG PHASING 13,678°-13,660°-2°-4 HOLES 0 DEG PHASING 13,678°-13,660°-12°-47 14,600 PSIG 24 MIN 1300 PSIG 34 MIN 1700 PSIG 34 MIN 4500 PSIG 35 MIN 4500 PSIG<th>REPORT DATE : 03/31</th><th>1/1999</th><th>MD : 0</th><th>TVD ·0</th><th>DAYS :</th><th>MW/ ·</th><th></th>	REPORT DATE : 03/31	1/1999	MD : 0	TVD ·0	DAYS :	MW/ ·	
ACTIVITY AT REPORT TIME : DAILY DETAILS : 2-1/2 hrs finished NU tree (7-1/16 x 10,000 psig). Tested pix to 5000 psig, installed csg relief value and @ 4000 psig. Pressure annulus (7-5/8' x 3-1/2') to 3500 psig. Tested by to 9300 psig. CK. Release pressure : 3-1/2 hrs may part performing gun and Gamma Ray CLL to 13,000. Ran correlation log from 13,000 to 13,300 (Correlating with Density Austron log 10/21/92). TCH and PU 2 HSC perforating gun with predator charges. Tirl and the in with Gamma Ray CLL to 13,000. Ran correlation log from 13,000 to 13,000 (Correlating with Density Austron log 10/21/92). TCH and PU 2 HSC perforating gun with predator charges. Tirl and the in with Gamma Ray Density Austron log 10/21/92. TCH and PU 2 HSC perforating gun with predator charges. Thir and the in with Gamma Ray Density Austron log 10/21/92. TCH and PU 2 HSC perforating gun with predator charges. Thir and the in with Camma Ray Density and the set of the intervention of the intervention of the intervention of the set of the intervention	DAILY : DC : <u>\$0</u>		CC : \$12,061				
 B4 4000 PSG Pressure annuus (7-56" x 3-1/2) to 3500 psig. Tested tbg to 3500 psig. OK. Release pressure. 2-1/2 hix waiting on wintime equipment perforating gun and Gamma Ray DCL to 13,900. Ran correlation log from 13,900 to 13,300 (Correlating with Density-Neutron log 10/2.1/92). TOH and PU 2 HSC perforating gun with predator charges. TiH and tie in with Gamma Ray perforated Wolfcamp Inter follows: 13,660' -13,674' - 14' - 28 HOLES 0 DEG PHASING 13,678' -13,680' -2' - 4 HOLES 0 DEG PHASING 13,678' -13,680' -2' - 4 HOLES 0 DEG PHASING 13,678' -13,680' -2' - 4 HOLES 0 DEG PHASING 13,678' -13,680' -2' - 4 HOLES 0 DEG PHASING 14,1700 PSIG 14 MIN 540 PSIG 14 MIN 540 PSIG 14 MIN 540 PSIG 15 MIN 1300 PSIG 16 MIN 1300 PSIG 17 MIN 4000 PSIG 18 MIN 4000 PSIG 28 MIN 4000 PSIG 28 MIN 4000 PSIG 30 MIN 4000 PSIG 31 MIN 4000 PSIG 30 MIN 4000 PSIG 31 MIN 4000 PSIG 33 MIN 4000 PSIG 34 MIN 4200 PSIG 34 MIN 4200 PSIG 34 MIN 4200 PSIG 35 MIN 4200 PSIG 36 MIN 4200 PSIG 37 MIN 4200 PSIG 38 MIN 4200	ACTIVITY AT REPO		E:	·	<u></u>	00. <u>401,100</u>	10. 201,1
1 MIN 540 PSIG 8 MIN 3000 PSIG 19 MIN 4800 PSIG 2 MIN 1350 PSIG 10 MIN 4000 PSIG 21 MIN 4800 PSIG 3 MIN 1700 PSIG 11 MIN 4200 PSIG 28 MIN 4900 PSIG 4 MIN 1920 PSIG 13 MIN 4500 PSIG 28 MIN 4900 PSIG 5 MIN 2000 PSIG 15 MIN 4600 PSIG 38 MIN 4900 PSIG 7 MIN 2500 PSIG 17 MIN 4700 PSIG 31 MIN 4900 PSIG 10 MIN 5500 PSIG 17 MIN 4700 PSIG 31 MIN 4900 PSIG 10 MIN 2500 PSIG 17 MIN 4700 PSIG 31 MIN 4900 PSIG 10 MIN 2500 PSIG 17 MIN 4700 PSIG 31 MIN 4900 PSIG 10 MIN 2500 PSIG 17 MIN 4700 PSIG 31 ms open to tank, initial pressure 400 11 MIN 620 PSIG 17 MIN 4700 PSIG 31 ms open to tank, initial pressure 400 11 MIN 620 PSIG 17 MIN 4000 PSIG 11 PSI 12 MIN 1820 PSIG 11 PSI 12 PSIG 12 MIN 1820 PSIG 12 PSIG 13 ms towater, LP 822 12 MIN 1920 PSIG 12 PSIG 14 PSIG 14 PSIG 12 MIN 1920 PSIG 12 PSIG 12 PSIG 13 PSIG 12 MIN 1920 PSIG 12 PSIG 14 PSIG 14 PSIG 12 MIN 1920 PSIG 12 PSIG	€ F It C F f (1 1 1	2) 4000 pressure ubricato correlatio ISC per ollows: 13,660' - 13,678' -	psig. Press. 2. 2-1/2 hrs r and tested on log from 1 forating gun -13,674' - 14' - 13,680' -2'	 annulus (7-5/8" waiting on wireline to 7000 psig. Ran i 3,900 to 13,300' (C with predator charg - 28 HOLES 0 DEG - 4 HOLES 0 DEG 	x 3-1/2") to 3500 psig. T equipment to perf. 8 f spent perforating gun an correlating with Density -f jes. TIH and tie in with G G PHASING PHASING	ested tbg to 9300 psig nrs RU Baker WL. PU d Gamma Ray CCL to Neutron log 10/21/92)	. OK. Released 10,000 psig 13,900'. Ran TOH and PU 2-
2 MIN 1350 PSIG 10 MIN 4000 PSIG 21 MIN 4500 PSIG 3 MIN 1700 PSIG 11 MIN 4200 PSIG 21 MIN 4900 PSIG 4 MIN 1920 PSIG 13 MIN 4500 PSIG 28 MIN 4900 PSIG 5 MIN 2000 PSIG 15 MIN 4500 PSIG 33 MIN 4900 PSIG 5 MIN 2500 PSIG 17 MIN 4700 PSIG 33 MIN 4900 PSIG TOH, problems hanging up in grease tube. Tubing pressure 4900 psig 3 hrs open to tank, initial pressure of psig. Pressure dropped from 4900 psig to 40 psig and built back to 540 psig with recovery of 19 bbls. Total asphalt type residue in grease tube. Tubing pressure 4900 psig 3 hrs open to tank, initial pressure of psig. Pressure dropped from 4900 psig to 40 psig and built back to 540 psig with recovery of 19 bbls. Total rec 75 bbls. LWRTR 2 bbls. Note: Shut in for line problems for 25 min and TP built to 5400 psig. REPORT DATE : 04/01/1999 MD : Q TVD : Q DAYS: MW: VISC : DAILY : DC : \$Q CC : \$2,350 TC : \$2,350 CUM : DC : \$Q CC : \$63.526 TC : \$63.5 ACTIVITY AT REPORT TIME : ELOWING TO SALES DAILY DETAILS : Flowing to sales for 23-114 hrs. Produced 2704 MCF: 350 bbls condensate, 0 BW, controls on produc sep froze off (Big Joe) @ 03.15 returned to sales @ 04:30. Pressure (TP) increased from 805 psig to 7. psig during the 1-1/4 hrs well was shut in (froze off). Current flow conditions @ 0700. Chk 16/64, FTP : psig, LP 843 psig, gas rate 4, 200 MCF, oil rate 16 bbls/m, H20 0/m. Total oil rec to date 425 bbls, Total H20 99 bbls. Note: RD service unit, released all rental equipment except tanks. REPORT DATE : 04/02/1999 MD : Q TVD : Q DAYS: MW: VISC : DAILY: DC : \$Q CC : \$2.500 TC : \$2.500 CUM : DC : \$Q CC : \$66.026 TC : \$66.026 ACTIVITY AT REPORT TIME : ELOWING TO gradient stop @ 2500'-5000', 7500', 9500', 11,500', 13,447' and 13,647' (mid perfs). Zeroed @ surface Wolf camp perforations 13,660-13,674', 13,674', 7367*13,680C', 647' (mid perfs). Zeroed @ surface Wolf performations 13,660-13,674', 13,787*13,787*15. Howed well for 1 hr. 11 hr SI for pressure buildup. SITP @ 0700, 7220 psig in 11 hrs. Set acid, KCL and CO2 tanks REPORT DATE : 04	-			WITTRECORDIN	G FRESSURES		
rec 75 bbls. LWRTR 2 bbls. Note: Shut in for line problems for 25 min and TP built to 5400 psig. REPORT DATE : 04/01/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY: DC: \$0 CC: \$2.360 TC: \$2.360 CUM: DC: \$0 CC: \$63.52 ACTIVITY AT REPORT TIME : FLOWING TO SALES DAILY DETAILS: Flowing to sales for 23-1/4 hrs. Produced 2704 MCF, 350 bbls condensate, 0 BW, controls on produce sep froze off (Big Joe) @ 03:15 returned to sales @ 04:30. Pressure (TP) increased from 805 psig to 7. psig during the 1-1/4 hrs. Vreduced 2704 MCF, 350 bbls condensate, 0 BW, controls on produce sep froze off (Big Joe) @ 03:15 returned to sales @ 04:30. Pressure (TP) increased from 805 psig to 7. psig during the 1-1/4 hrs. Well was shut in (froze off). Current flow conditions @ 0700. Chk 16/64, FTP : psig, LP 843 psig, gas rate 4,200 MCF, oil rate 16 bbls/hr, H2O 0/hr. Total oil rec to date 425 bbls, Total H2O 99 bbls. Note: RD service unit, released all rental equipment except tanks. REPORT DATE : 04/02/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY: DC: \$0 CC: \$2500 TC: \$2500 CUM: DC: \$0 CC: \$66.026 TC: \$66.02 ACTIVITY AT REPORT TIME: FLOWING DAILY: DC: \$0 CC: \$2500 TC: \$2500 CUM: DC: \$0 CC: \$66.026 TC: \$66.026 TC: \$66.026 DAILY: DC: \$0 CC:	2 3 4 5 7 7 T a * *	2 MIN 13 0 MIN 17 0 MIN 19 0 MIN 20 0 MIN 25 0 MIN 25 0 MIN 25 0 MIN 25 0 MIN 25 0 MIN 25 0 MIN 15 0 MIN 13 0 MIN 20 0 M	350 PSIG 700 PSIG 020 PSIG 000 PSIG 000 PSIG oblems hang ype residue ir essure dropp t hr. Pressure	10 11 13 15 17 17 17 17 17 16 17 17 17 17 17 17 17 17	MIN 4000 PSIG MIN 4200 PSIG MIN 4500 PSIG MIN 4600 PSIG MIN 4700 PSIG be from 680' to surface. ing pressure 4900 psig to 40 psig and built back 7 hrs turned to sales of	21 MIN 4850 PSIG 23 MIN 4900 PSIG 28 MIN 4900 PSIG 33 MIN 4900 PSIG Worked tool out of ho 3 hrs open to tank, in to 540 psig with recove on 40/64" chk. Current	tial pressure of a ery of 19 bbls of rate of 3 1 MMC
ACTIVITY AT REPORT TIME : FLOWING TO SALES DAILY DETAILS : Flowing to sales for 23-1/4 hrs. Produced 2704 MCF. 350 bbls condensate, 0 BW, controls on produc sep froze off (Big Joe) @ 03:15 returned to sales @ 04:30. Pressure (TP) increased from 805 psig to 7: psig during the 1-1/4 hrs well was shut in (froze off). Current flow conditions @ 0700. Chk 16/64, FTP : psig, LP 843 psig, gas rate 4, 200 MCF, oil rate 16 bbls/hr, H2O 0/hr. Total oil rec to date 425 bbls, Tota H2O 99 bbls. Note: RD service unit, released all rental equipment except tanks. REPORT DATE : 04/02/1999 MD : 0 TVD : 0 DAYS : MW : VISC : DAILY : DC : \$0 CC : \$25.500 TC : \$25.500 CUM : DC : \$0 CC : \$66,026 TC : \$66,02 ACTIVITY AT REPORT TIME : FLOWING DAILY DETAILS : 13 hrs flowing to sales on 48/64" chk, FTP 804 psig, LP 710 psig, spot rate 3,116 MCFD, oil rate 16 bbl O BW, sold 2717 MCF. RU Arc pressure BHP guages, PU conventional and electronic gauges. TH ma gradient stop @ 2500'-5000', 7500', 9500', 11,500', 13,447' and 13,647' (mid perfs). Zeroed @ surface Wolfcamp perforations 13,660-13,674', 13,678-13,680'. Flowed well for 1 hr. 11 hr SI for pressure buildup. SITP @ 0700, 7220 psig in 11 hrs. Set acid, KCL and CO2 tanks	REPORT DATE : 04/01/						
DAILY DETAILS : Flowing to sales for 23-1/4 hrs. Produced 2704 MCF. 350 bbls condensate, 0 BW, controls on productions sep froze off (Big Joe) @ 03:15 returned to sales @ 04:30. Pressure (TP) increased from 805 psig to 7: psig during the 1-1/4 hrs well was shut in (froze off). Current flow conditions @ 0700. Chk 16/64, FTP : psig, LP 843 psig, gas rate 4,200 MCF, oil rate 16 bbls/hr, H2O 0/hr. Total oil rec to date 425 bbls, Total H2O 99 bbls. Note: RD service unit, released all rental equipment except tanks. REPORT DATE : 04/02/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY: DC: \$0 CC: \$25,500 TC: \$2,500 CUM: DC: \$0 CC: \$66,026 TC: \$66,026 ACTIVITY AT REPORT TIME : FLOWING DAILY DETAILS : 13 hrs flowing to sales on 48/64" chk, FTP 804 psig, LP 710 psig, spot rate 3,116 MCFD, oil rate 16 bbl: 0 BW, sold 2717 MCF. RU Arc pressure BHP guages, PU conventional and electronic gauges. TIH mg gradient stop @ 2500'-5000', 7500', 950', 11,500', 13,647' and 13,647' (mid perfs). Zeroed @ surface Wolfcamp perforations 13,660-13,674', 13,678-13,680'. Flowed well for 1 hr. 11 hr SI for pressure buildup. SITP @ 0700, 7220 psig in 11 hrs. Set acid, KCL and CO2 tanks REPORT DATE : 04/03/1999 MD: 0 TVD: 0 DAYS: MW: VISC : DAILY: DC: \$0 CC: \$0 TC: \$0 CC: \$66,026 TC: \$66,02 MOILY: DC: \$0 CC: \$0 TC: \$0 CC: \$66,026 TC: \$66,02 MUILY DETAILS : SITP @ 0700, 7220 psig in 11 hrs. Set acid, KCL and					CUM: DC: <u>\$0</u>	CC: <u>\$63,526</u>	TC : <u>\$63,52</u>
DAILY: DC: \$0 CC: \$2,500 TC: \$2,500 CUM: DC: \$0 CC: \$66,026 TC: \$66,07 ACTIVITY AT REPORT TIME: FLOWING DAILY DETAILS: 13 hrs flowing to sales on 48/64" chk, FTP 804 psig, LP 710 psig, spot rate 3,116 MCFD, oil rate 16 bbl: 0 BW, sold 2717 MCF. RU Arc pressure BHP guages, PU conventional and electronic gauges. TIH ma gradient stop @ 2500'-5000', 7500', 9500', 11,500', 13,447' and 13,647' (mid perfs). Zeroed @ surface Wolfcamp perforations 13,660-13,674', 13,678-13,680'. Flowed well for 1 hr. 11 hr SI for pressure buildup. SITP @ 0700, 7220 psig in 11 hrs. Set acid, KCL and CO2 tanks REPORT DATE: 04/03/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY DC: \$0 CC: \$0 TC: \$20 CUM: DC: \$0 CC: \$66,026 TC: \$66,07 REPORT DATE: 04/03/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY DC: \$0 CC: \$0 TC: \$0 CUM: DC: \$0 CC: \$66,026 TC: \$66,07 REPORT DATE: 04/04/1999 MD: 0 TVD: 0 DAYS: MW: VISC: \$66,07 ACTIVITY AT REPORT TIME: SHUT IN DAILY DETAILS: SITP 7450 psig, 36 hrs. DAYS: MW: VISC: DAILY: DC: \$0 CC: \$0 TC: \$0 CUM: DC: \$0 CC: \$66,026 TC: \$66,07 ACTIVITY AT REPORT TIME: SHUT IN DAYS: MW: VISC: <	DAILY DETAILS:Fi se ps ps	lowing t ep froze sig durir sig, LP	o sales for 23 off (Big Joe) ng the 1-1/4 I 843 psig, gas	3-1/4 hrs. Produce @ 03:15 returned hrs well was shut in s rate 4,200 MCF, o	to sales @ 04:30. Press (froze off). Current flow il rate 16 bbls/hr. H2O 0.	sure (TP) increased from conditions @ 0700. C /hr. Total oil rec to date	n 805 psig to 72 hk 16/64 FTP 2
DAILY: DC: \$0 CC: \$2.500 TC: \$2.500 CUM: DC: \$0 CC: \$66.026 TC: \$66.02 ACTIVITY AT REPORT TIME: FLOWING DAILY DETAILS: 13 hrs flowing to sales on 48/64" chk, FTP 804 psig, LP 710 psig, spot rate 3,116 MCFD, oil rate 16 bbl: 0 BW, sold 2717 MCF. RU Arc pressure BHP guages, PU conventional and electronic gauges. TIH ma gradient stop @ 2500'-5000', 7500', 9500', 11,500', 13,447' and 13,647' (mid perfs). Zeroed @ surface Wolfcamp perforations 13,660-13,674', 13,678-13,680'. Flowed well for 1 hr. 11 hr SI for pressure buildup. SITP @ 0700, 7220 psig in 11 hrs. Set acid, KCL and CO2 tanks REPORT DATE: 04/03/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY: DC: \$0 CC: \$0 TC: \$20 CUM: DC: \$0 CC: \$66,026 TC: \$66,02 REPORT DATE: 04/03/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY: DC: \$0 CC: \$0 TC: \$20 CUM: DC: \$0 CC: \$66,026 TC: \$66,02 REPORT DATE: 04/04/1999 MD: 0 TVD: 0 DAYS: MW: VISC: \$66,02 ACTIVITY AT REPORT TIME: SHUT IN DAILY DETAILS: SITP 7450 psig, 36 hrs. DAYS: MW: VISC: DAILY: DC: \$0 CC: \$0 TC: \$0 CUM: DC: \$0 CC: \$66,026 TC: \$66,02 ACTIVITY AT REPORT TIME: SHUT IN DAYS: MW: VISC:	REPORT DATE · 04/02/	1999 1	MD · ۵		DAVE -	BMA <i>I</i> .	
ACTIVITY AT REPORT TIME : FLOWING TO: \$2500 TO: \$2000			_				
DAILY DETAILS: 13 hrs flowing to sales on 48/64" chk, FTP 804 psig, LP 710 psig, spot rate 3,116 MCFD, oil rate 16 bbl. 0 BW, sold 2717 MCF. RU Arc pressure BHP guages, PU conventional and electronic gauges. TIH magradient stop @ 2500'-5000', 7500', 9500', 11,500', 13,447' and 13,647' (mid perfs). Zeroed @ surface Wolfcamp perforations 13,660-13,674', 13,678-13,680'. Flowed well for 1 hr. 11 hr SI for pressure buildup. REPORT DATE: 04/03/1999 MD: Q TVD: Q DAYS: MW: VISC: DAILY DC: \$0 CC: \$0 TC: \$0 CC: \$66,026 TC: \$66,026 ACTIVITY AT REPORT TIME: SHUT IN DAILY DETAILS: SITP 7450 psig, 36 hrs. MW: VISC: REPORT DATE: 04/04/1999 MD: Q TVD: Q DAYS: MW: VISC: DAILY DETAILS: SITP 7450 psig, 36 hrs. TVD: Q DAYS: MW: VISC: DAILY DC: \$0 CC: \$0 TC: \$0 CC: \$66,026 TC: \$66,026 TC: \$66,026				10. 02,000	COM: DC: <u>\$0</u>	CC: <u>\$66,026</u>	TC: <u>\$66,02</u>
DAILY: DC: \$0 CC: \$0 TC: \$0 CUM: DC: \$0 CC: \$66,026 TC: \$66,02 ACTIVITY AT REPORT TIME: SHUT IN DAILY DETAILS: SITP 7450 psig, 36 hrs. DAILY DETAILS: SITP 7450 psig, 36 hrs. TVD: 0 DAYS: MW: VISC: REPORT DATE: 04/04/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY: DC: \$0 CC: \$0 TC: \$0 CUM: DC: \$0 CC: \$66,026 TC: \$66,02 ACTIVITY AT REPORT TIME: SHUT IN	DAILY DETAILS: 1: 0 gr W	3 hrs flo BW, so radient s /olfcam	wing to sales Id 2717 MCF stop @ 2500 p perforations	RU Arc pressure '-5000', 7500', 950(s 13,660-13,674', 1	BHP guages, PU conve)', 11,500', 13,447' and 1 3,678-13,680', Flowed v	ntional and electronic g 3,647' (mid perfs). Ze well for 1 hr. 11 hr SI	auges. TIH ma
DAILY: DC: \$0 CC: \$0 TC: \$0 CUM: DC: \$0 CC: \$66,026 TC: \$66,026 ACTIVITY AT REPORT TIME: SHUT IN DAILY DETAILS: SITP 7450 psig, 36 hrs. DAILY DETAILS: SITP 7450 psig, 36 hrs. VISC: REPORT DATE: 04/04/1999 MD: 0 TVD: 0 DAYS: MW: VISC: DAILY: DC: \$0 CC: \$0 TC: \$0 CUM: DC: \$0 CC: \$66,026 TC: \$66,026 ACTIVITY AT REPORT TIME: SHUT IN TVD: 0 DAYS: MW: VISC:	REPORT DATE : 04/03/	1999 N	ND : 0	TVD :⁰	DAYS :	MW :	VISC :
ACTIVITY AT REPORT TIME : SHUT IN DAILY DETAILS : SITP 7450 psig, 36 hrs. REPORT DATE : 04/04/1999 MD : 0 TVD : 0 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$66,026 TC : \$66,026 ACTIVITY AT REPORT TIME : SHUT IN	DAILY: DC: \$0			TC : <u>\$0</u>	CUM: DC: <u>\$0</u>	CC: <u>\$66.026</u>	TC: \$66,02
REPORT DATE : 04/04/1999 MD : 0 TVD : 0 DAYS : MW : VISC : DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$0 CC : \$66,026 TC : \$66,02 ACTIVITY AT REPORT TIME : SHUT IN X X X X X	_						<u>+12</u> F,
DAILY : DC : <u>\$0</u> CC : <u>\$0</u> CC : <u>\$0</u> CC : <u>\$0</u> CUM : DC : <u>\$0</u> CC : <u>\$66,026</u> TC : <u>\$66,02</u> ACTIVITY AT REPORT TIME : <u>SHUT IN</u>			0 psig, 36 hr	S.			
DAILY : DC : <u>\$0</u> CC : <u>\$0</u> TC : <u>\$0</u> CUM : DC : <u>\$0</u> CC : <u>\$66,026</u> TC : <u>\$66,026</u> TC : <u>\$66,026</u> TC : <u>\$66,026</u>		ITP 745					
ACTIVITY AT REPORT TIME : <u>SHUT IN</u>	DAILY DETAILS : SI			T (n)	DAYO	LOAL.	1400
	DAILY DETAILS : SI	1999 N	_				
DAILY DETAILS: SITP 7460 psig, 41 hrs SI gauge reading.	DAILY DETAILS : SI REPORT DATE : 04/04/ DAILY : DC : <u>\$0</u>	1999 M C	C: <u>\$0</u>				VISC : TC : <u>\$66,02</u> 6

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WELL CHRONOLOGY REPORT

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DAILY: DC: <u>\$0</u>		CC : <u>\$0</u>		TC : <u>\$0</u>		CUM: DC: <u>\$0</u>		CC:	<u>\$66,026</u>	TC :	<u>\$66,026</u>
ACTIVITY AT REF											
DAILY DETAILS :	SITP 7	600 psig,	, 60 hrs S	SI gauge r	eading.						
REPORT DATE : 04/0	06/1999	MD : <u>0</u>		TVD :0		DAYS ;		MW :		VISC :	
DAILY : DC : <u>\$0</u>		CC : <u>\$0</u>		TC : <u>\$0</u>		CUM: DC: \$0			<u>\$66,026</u>		<u>\$66,026</u>
ACTIVITY AT REP	ORT TIM	IE : <u>SHU1</u>	<u>r in</u>	~				00.	<u>400,020</u>	10.	<u>\$00,026</u>
DAILY DETAILS :	BHP 10),213.40	psig pres	sure gaug	ge (BHP)						
REPORT DATE : 04/0)7/1999	MD : 0		TVD ;⁰		DAYS :		ww:			
DAILY : DC : \$0		 CC : <u>\$5.7</u>	750		<u>750</u>					VISC :	
ACTIVITY AT REP				10.00.1	00	COM DC . <u>30</u>	l.		<u>\$71,776</u>	IC:	<u>\$71,776</u>
DAILY DETAILS :	SITP 76	620 psig,		s, dead w d 2,500'.	rt. TOH w	ith BHP guages,	making gra	idient	stops @ 1	3,447, 11	,500',
REPORT DATE : 04/0	8/1999	MD : 0		TVD :0		DAYS :		/ WV :		VICO /	
DAILY : DC : \$0		CC : <u>\$42</u>		TC: <u>\$42.</u>	.602	CUM: DC: <u>\$0</u>			¢111 270	VISC :	
ACTIVITY AT REP						ουπ. υσ. <u>φυ</u>	,		<u>\$114,378</u>	10 :	<u>\$114,378</u>
	pressure with min min 547	e 9386 pe imal prop 9 psig. [25, 1.1 S sig. Tota p in press Details as	I fluid use ure follow follows:	oalls for di d 593 bbl ving ball so	version. Avg inj ra s and 35 tons of (eating. ISIP 5720	ate 14.8 BF CO2 Appr	2Μ, Α οχ 20	vg pressur	of action of	tuo to be
	pressure with min min 547	9386 pa imal prop 9 psig. [RATE	25, 1.1 S sig. Tota p in press Details as TP	I fluid use ure follow follows: CSGP	oalls for di d 593 bbl ving ball so	version. Avg inj ra s and 35 tons of (ate 14.8 BF CO2 Appr	2Μ, Α οχ 20	vg pressur	of action of	tuo to b
	pressure with min min 547	e 9386 p imal prop 9 psig. [25, 1.1 S sig. Tota p in press Details as	I fluid use ure follow follows:	oalls for di d 593 bbl ving ball so	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS	ate 14.8 BF CO2. Appr psig, 5 mir	2Μ, Α οχ 20	vg pressur	of action of	tuo to be
	vith min min 547 VOL BBLS 0 250	9386 ps imal prop 9 psig. [RATE B/M 0 2.9	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345	I fluid use sure follow follows: CSGP PSIG 3500 3438	oalls for di d 593 bbl ving ball so	version. Avg inj ra s and 35 tons of (eating. ISIP 5720	ate 14.8 BF CO2. Appr psig, 5 mir URE	2Μ, Α οχ 20	vg pressur	of action of	tuo to be
	vol BBLS 0 250 1000	9386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852	I fluid use sure follows follows: CSGP PSIG 3500 3438 3488	oalis for dr d 593 bbl ving ball so CO2% 0 0	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID	ate 14.8 BF CO2. Appro- psig, 5 min URE	°M, A ox 20 n 556	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
	vol bressure with min min 547 VOL BBLS 0 250 1000 2000	2 Using 9 9386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852 8725	I fluid use sure follows follows: CSGP PSIG 3500 3438 3488 3433	pails for dr d 593 bbl ring ball so CO2% 0 0 25%	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID	ate 14.8 BF CO2. Appro- psig, 5 min URE	°M, A ox 20 n 556	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
	vith min min 547 VOL BBLS 0 250 1000	9386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852	I fluid use sure follows follows: CSGP PSIG 3500 3438 3488 3433 3468	oalis for dr d 593 bbl ving ball so CO2% 0 0	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID	ate 14.8 BF CO2. Appro- psig, 5 min URE	°M, A ox 20 n 556	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2000 700 2250 4000	2 using 9 386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 7.6 13.2 15.6	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457	I fluid use sure follow follows: CSGP PSIG 3500 3438 3488 3433 3468 3410 3417	pails for dr d 593 bbl ring ball so CO2% 0 0 25%	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " START TREATI	ate 14.8 BF CO2. Appro- psig, 5 min URE ED H2O &	°M, A ox 20 n 556 CO2	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2000 700 2250 4000 1700	2 using 9 386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 7.6 13.2 15.6 15.6	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457 8951	I fluid use sure follows follows: CSGP PSIG 3500 3438 3488 3433 3468 3410 3417 3364	pails for dr d 593 bbl ring ball so CO2% 0 0 25%	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " START TREATI " START 20% VC	ure 14.8 BF CO2. Appro- psig, 5 min URE ED H2O & " CA AND CO	°M, A ox 20 n 556 CO2	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2000 700 2250 4000 1700 3750	2 Using 9 9386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 7.6 13.2 15.6 15.6 14.3	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457 8951 8963	CSGP PSIG 3500 3438 3488 3433 3468 3410 3417 3364 3983	oalis for dr d 593 bbl ring ball so CO2% 0 0 25% 25% "	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " START TREAT " START 20% VC " DROPPED 20 E	ure 14.8 BF CO2. Appro- psig, 5 min URE ED H2O & " CA AND CO BALLS	°M, A ox 20 n 556 CO2	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2000 700 2250 4000 1700	2 Using 9 9386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 7.6 13.2 15.6 15.6 14.3 14.5	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457 8951 8963 7794	CSGP PSIG 3500 3438 3488 3433 3468 3410 3417 3364 3983 3449	oalis for dr d 593 bbl ring ball so CO2% 0 0 25% 25% "	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " START TREATI " START 20% VC " DROPPED 20 E DROPPED 5 BA	ure 14.8 BF CO2. Appro- psig, 5 min URE ED H2O & " CA AND CO BALLS	°M, A ox 20 n 556 CO2	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
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	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2250 4000 700 2250 4000 1700 3750 7800 7900 9000 10000	2 Using 9 9386 pt imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 13.2 15.6 14.3 14.5 14.5 14.5 14.5 14.8	25, 1.1 S sig. Tota o in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457 8951 8963 7794 8100 8000 8010	CSGP PSIG 3500 3438 3488 3433 3468 3410 3417 3364 3983 3449 3437 3416 3416	Dalls for dr d 593 bbl ring ball so CO2% 0 25% 25% " " " " " " " "	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " START TREATI " START 20% VC " DROPPED 20 E DROPPED 5 BA BALL ACTION	ate 14.8 BF CO2. Appro- psig, 5 min URE ED H2O & " CA AND CO BALLS ALLS CO2	°M, A ox 20 n 556 CO2	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2250 4000 1700 2250 4000 1700 3750 7800 7900 9000 10000 10000	2 Using 9 9386 pt imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 13.2 15.6 14.3 14.5 14.5 14.5 14.5 14.8 14.8	25, 1.1 S sig. Tota o in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457 8951 8963 7794 8100 8000 8010 7960	CSGP PSIG 3500 3438 3488 3433 3468 3410 3417 3364 3983 3449 3437 3416 3416 3437	Dalls for dr d 593 bbl ving ball so CO2% 0 25% 25% " " "	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " START TREATI " START 20% VC DROPPED 20 E DROPPED 20 E DROPPED 5 BA BALL ACTION 20% VCA AND START FLUSH	ate 14.8 BF CO2. Appro- psig, 5 min URE ED H2O & " CA AND CO BALLS ALLS CO2	°M, A ox 20 n 556 CO2	Ng pressur 00-300 lbs (6 psig, 10)	of action of	tuo to be
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	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2250 4000 700 2250 4000 1700 3750 7800 7900 9000 10000 10000 5000 5000 2-1/2 with press LWTR 4	2 Using 9 386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 7.6 13.2 15.6 14.3 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457 8951 8963 7794 8100 8000 8010 7960 7859 8305 Howco. (c creasing t 6 hrs ff	I fluid use sure follows follows: CSGP PSIG 3500 3438 3488 3433 3488 3433 3468 3410 3417 3364 3437 3416 3437 3416 3437 3416 3437 3416 3437 3410 Deened to o 4600 ps	palls for dr d 593 bbl ving ball so CO2% 0 0 25% 25% " " " " " " " " " " " " " " " " " " "	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " " START TREATI " " DROPPED 20 E DROPPED 20 E DROPPED 20 E DROPPED 5 BA BALL ACTION 20% VCA AND START FLUSH " " " " " " " " " "	ate 14.8 BF CO2. Appro- psig, 5 min URE ED H2O & " CA AND CO BALLS ALLS CO2 W/CO2 psi on 6/64 Is load fluid 000 MCF t	^a M, A ox 20 n 556 CO2 D2	. Increased fluid to rec 00 MCF with	d chk size	e to 12/6 bbls
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	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2250 4000 1700 3750 7800 7900 9000 10000 10000 5000 5000 2-1/2 with press LWTR 4 from 720 MCF with sales on	2 Using 9 386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 7.6 13.2 15.6 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 15.6 0 psigred to 8 bbls. 0 psigred	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457 8951 8963 7794 8100 8000 8010 7859 8305 4000 8010 7859 8305 Howco. (c creasing t 55600 ps 5750 psi chk flowir	I fluid use sure follows follows: CSGP PSIG 3500 3438 3488 3433 3468 3410 3417 3364 3437 3416 3437 3416 3437 3416 3437 3416 3437 3410 Deneed to o 4600 ps owing to s ig due to s	palls for dr d 593 bbl ving ball so CO2% 0 0 25% 25% " " " " " " " " " " " " " " " " " " "	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " " START TREATI " " DROPPED 20 E DROPPED 20 E DROPPED 20 E DROPPED 5 BA BALL ACTION 20% VCA AND START FLUSH START FLUSH " " " " " " " " " " " " " " " " " " "	Ate 14.8 BF CO2. Appro- psig, 5 min URE ED H2O & " CA AND CO BALLS ALLS CO2 W/CO2 psi on 6/64 Is load fluid 000 MCF to sure regulat hr 30 bbls a sure 787 n	^a M, A ox 20 n 556 CO2 D2 CO2 D2	. Increased fluid to rec 00 MCF with ast hr. State bbls. 10	d chk size min 5501 voer 593 th FTP va bilized @ hrs flowi	e to 12/6 bbls arying 6200 ng to
	25% CC pressure with min min 547 VOL BBLS 0 250 1000 2250 4000 1700 3750 7800 7900 9000 10000 10000 5000 2-1/2 with press LWTR 4 from 720 MCF with sales on restricted	2 Using 9 386 ps imal prop 9 psig. [RATE B/M 0 2.9 4.8 7.6 7.6 13.2 15.6 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 15.6 15.6 15.6 14.5 15.6 15.6 14.5 15.6 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 15.6 15.	25, 1.1 S sig. Tota p in press Details as TP PSIG 7652 9345 8852 8725 7933 8075 8457 8951 8963 7794 8100 8000 8010 7960 7859 8305 Howco. (c creasing t 55600 ps 5750 psi chk flowin neating p	I fluid use sure follows follows: CSGP PSIG 3500 3438 3488 3433 3468 3410 3417 3364 3437 3416 3437 3416 3437 3416 3437 3416 3437 3410 Deneed to o 4600 ps owing to s ig due to 5 g. Recov	palls for dr d 593 bbl ving ball so CO2% 0 0 25% 25% " " " " " " " " " " " " " " " " " " "	version. Avg inj ra s and 35 tons of (eating. ISIP 5720 REMARKS INITIAL PRESS 15% MCA ACID " " START TREATI " " DROPPED 20 E DROPPED 20 E DROPPED 20 E DROPPED 5 BA BALL ACTION 20% VCA AND START FLUSH START FLUSH " " " " " " " "	Ate 14.8 BF CO2. Appro- psig, 5 min URE ED H2O & " CA AND CO BALLS ALLS CO2 W/CO2 psi on 6/64 Is load fluid 000 MCF to sure regulat hr 30 bbls a sure 787 p ed 273 BO	M, A (ox 20 n 556 CO2 D2 " chk I total o 9,0 tors la and 0 sig, a 3 a	to pressure 0-300 lbs of 6 psig, 10 fluid to rec 00 MCF with ast hr. State 0 bbls. 10 wg gas rate	d chk size min 5501 d chk size voer 593 th FTP va bilized @ hrs flowi s 5,448 M	e to 12/6 bbls 6200 ng to iCFD (flo

PRODUCTION BEFORE WORKOVER



PRODUCTION ATER WORKEVER

