Submit 1 Copy To Appropriate District Office	State of New Mexi Energy, Minerals and Natura			Form C-103 Revised July 18, 2013
District 1 - (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240			WELL API NO. 30-015-33758	
<u>District II</u> - (575) 748-1283 811 S. First St., Artesia, NM 88210 <u>District III</u> - (505) 334-6178	OIL CONSERVATION D		5. Indicate Type of Le	
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa Fe, NM 875		STATE 6. State Oil & Gas Lea	FEEase No.
1220 S. St. Francis Dr., Santa Fc, NM 87505	ŕ		NMNM112273	i
SUNDRY NO	TICES AND REPORTS ON WELLS	DACK TO A	7. Lease Name or Uni	- ·
DIFFERENT RESERVOIR. USE "APPI	OSALS TO DRILL OR TO DEEPEN OR PLUG JICATION FOR PERMIT" (FORM C-101) FOR		COLLINSOSC	OPY FEDERAL
PROPOSALS.)  1. Type of Well: Oil Well	Gas Well X Other UIC Injecti	on	8. Well Number 1	
2. Name of Operator OWL SE	D OPERATING LLC		i	308339
3. Address of Operator 8214 V	VESTCHESTER DRIVE, SUIT AS, TX 75255	TE 850	10. Pool name or Wild BURTON FLAT B	Jawa Ce 96/00
4. Well Location Unit Letter	: 1095 feet from the FSL	line and 4:	<del>-</del> •	•
Section 7	Township 20S Rang	<sub>ge</sub> 30E	NMPM Co	unty EDDY
	11. Elevation (Show whether DR, R 3310' GL	RKB, RT, GR, etc.)		
12. Check	Appropriate Box to Indicate Nat	ture of Notice,	Report or Other Date	a
	NTENTION TO:		SEQUENT REPO	RT OF:
PERFORM REMEDIAL WORK [ TEMPORARILY ABANDON [		REMEDIAL WOR COMMENCE DRI	• • • • • • • • • • • • • • • • • • • •	TERING CASING   ND A
PULL OR ALTER CASING	MULTIPLE COMPL 🔲	CASING/CEMEN	_	
DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM	7	-Dr	/ .	
OTHER:	npleted operations. (Clearly state all pe	OTHER Plu C	daive partinent dates in	cluding estimated date
of starting any proposed or con proposed completion or r	work). SEE RULE 19.15.7.14 NMAC.	For Multiple Co	mpletions: Attach we had	H. CONSERVATION RTESIA DISTRICT
PLUG BACK and v	vork performed:			DEC 1 3 2018
Pumped 537 bbls	·			
•	with no fluid injected into forma	ation.		RECEIVED
Good packer test.			<b></b>	Marile accom
	etailed Cement, Perforations,	Acid & Step	Rate Test Reports	, work-over
Summary & WB Di	agrams.			
		<del> </del>		
Spud Date: 8/10/2018	Rig Release Date	e: 8/30/20	18	
<u> </u>				
I hereby certify that the information	on above is true and complete to the bes	st of my knowledg	ge and belief.	
SIGNATURE Marshey	Moran TITLE Worko	over & Comple	etions Mgr. DATE	12/13/2018
Type or print name MATTHEN	V HØFFMAN E-mail address:	matthew.hoff		E: <u>970-380-0811</u>
For State Use Only	No 1	energyser		10 10 (1)
APPROVED BY:	The TITLE Bus	sinessa	par A DATE	12.17-18

### **Workover Summary**

Company: OWL SWD Operating
Well: Collinsoscopy Fed SWD #1
Workover: Well Conversion to SWD

**Consultants:** Integrated Petroleum Technologies

8/6/2018

Pull tested anchors on location (good test).

8/8/18

Spotted rig, frac tanks and equipment.

8/9/18

Spotted pump, tested & nipple up BOP's. Secured well.

8/10/18

Ran in hole with retrieval tool and pulled out of hole with retrievable bridge plug (set at 2686'). Secured well.

### 8/11/18

Made bit and scraper run down to the CIBP at 3881' but the CIBP was not found in the well. Pulled out of hole with bit and scraper. Ran in hole with test packer to 3550'. Annular held 900 psi, tubing pressured to 1500 psi then dropped to 0 psi. Pulled out of hole with test packer. Made bit and scraper run to 5327' and tagged 3 times. Circulated 9.9# produced water to clean hole. Collected 40 bbl of oil back at surface at the end of the day. Secured well.

### 8/13/18

Spoke with BLM who wanted to drill 50' past the tagged point at 5327' to see if there was good cement. Pulled out of hole with bit & scraper. Made up and ran in hole with retrievable bridge plug and packer. Tested to 2000 psi between 4872' – 5000' (good test). Moved packer to test between 4809' – 5000' and established injection rate of 4 BPM @ 1300 psi. Released and pulled packer & bridge plug up hole. Tested to 2000 psi between 3540' – 4809' (good test). Release packer to test between 3446' – 4809' and established injection rate of 3 BPM @ 750 psi. Spotted sand on top of retrievable bridge plug at 4809', pulled test packer and topped off well with produced water. Secured well.

#### 8/14/18

Set cast iron cement retainer at 3446' and pressure tested casing to 1000 psi (good test). Stung into cement retainer and established injection rate of 2 BPM @ 800 psi. Pumped 200 sks of Class C neat cement @ 2.5 BPM and displace tubing with 20.5 bbls of fresh water. Reverse circulate tubing. Secured well.

### 8/15/18

Stung into cement retainer at 3446' and pressure tested to 1000 psi, but pressure dropped to 600 psi in 10 minutes. Established injection rate of 1.0 BPM @ 3200 psi. Pumped 50 sks of Class C neat cement and hesitation squeezed last 5 bbls @ 1230 psi for 10 minutes. Cement successfully held 800 psi. Reverse circulated tubing. Secured well.

#### 8/16/18

Pressure tested squeeze and noticed leak off at cement retainer. Pulled out of hole. Made up and ran in hole with bit and collars. Drilled out cement retainer at 3446' to the top of the perfs at 3500' and did not find cement. Established injection rate of 1.0 BPM @ 2300 psi. Secured well.

#### 8/17/18

Pulled out of hole with bit and collars. Set cast iron cement retainer at 3444'. Pressure tested above retainer at 1000 psi (good test) and established injection rate through retainer at 1.0 BPM and 2300 psi. Squeezed perfs with 50 sks of Class C cement containing additive 10% C-15 for water loss. The last 3 bbls were staged to achieve a final squeeze pressure of 1520 psi. Circulated tubing and pulled out of hole. Made up bit and collars and ran in one joint. Secured well.

### 8/18/18

Ran in hole with bit and collars and tagged cement at 3436'. Pick up to 3431' and circulate. Drilled cement and shut down due to weather. Secured well.

### 8/19/18

Drilled retainer at 3444' and cement down to the top of the retrievable bridge plug set at 4809'. Pressure tested casing to 1050 psi and observed 20 psi loss over 20 minutes (good test). Pulled out of hole with bit and collars. Ran retrieval tool, washed over bridge plug, released it and pull out of the hole. Ran in hole with bit and collars and reamed out bridges from 5327' – 6037' until solid cement was found at 6037'. Reverse circulate tubing. Secured well.

### 8/20/18

Pulled out of hole with bit and collars. Ran in hole with tubing and set 25 sk balanced cement plug from 5800′ – 6037′. Circulated tubing and pulled tubing to 5620′. Waited for cement to set. Tagged top of cement at 5801′. Pulled tubing to 5410′ and set a 25 sk balanced cement plug from 5175′ – 5410′. Circulated and pulled tubing. Secured well.

### 8/21/18

Ran in and tagged cement at 5175'. Pulled tubing out of hole. Rigged up wireline and ran in hole with CBL and logged out. Rigged up charges and ran in hole to perforate intervals between 4775' – 5140' shooting 4 spf. Secured well.

#### 8/22/18

Perforated intervals between 3752' – 4688' shooting 4 spf. Ran in hole and set PermaPak packer at 3725'. Released wireline. Made up packer seal assembly on 3.5" internal coated tubing, ran in hole, stung into packer, spaced out with half of the string weight down on the packer, pumped packer fluid, stung seal assembly into PermaPak packer, landed hanger and tested backside. Nippled down BOP, nippled up wellhead and valves. Secured well.

#### 8/23/18

Attempted multiple MIT pressure tests but annular failed to hold pressure. Pulled slips and pulled 40k into packer and slacked off 28k; repeated pull & slack twice and let sit for 10 minutes. Applied 2700 psi pressure to the annulus and established injection rate of 1.0 BPM. Notified office. Nippled down wellhead, nippled up and tested BOP. Released seal assembly and stood back tubing. Made up and ran in hole with mechanical test packer and pressure tested from 3486' to surface (good test). Released test packer and reset at 3722' and pressure tested from 3722' to surface (good test). Secured well.

### 8/24/18

Pulled out of hole and laid down test packer. Ran in and set retrievable bridge plug at 3547'. Ran in and set cement retainer at 3486'. Pressure tested lines, stung into cast iron cement retainer and squeezed the casing leak at the with 60 sks of Class C neat cement with 10% C-15 additive. Achieved 4000 psi squeeze and held pressure. Left 4000 psi on the squeeze, stung out, circulated tubing and pulled out of hole. Secured well.

#### 8/25/18

Ran in hole with bit and collars and tagged cement at 3475'. Drilled cement and part of the cement retainer at 3486' when the bit lost a cone. Pulled out of hole with bit and collars. Made up and ran back in with mill and collars to mill cone and retainer. Circulated hole clean and pulled out of hole. Made up and ran in hole with new bit and collars. Only made 6". Secured well.

### 8/26/18

Pulled out of hole with bit and collars, rigged up sand line and magnet. Made 3 runs and fished out small pieces of cone and a large amount of cast iron until magnet runs came back clean. Rigged down sand line and made up bit and collars and ran in hole. Drilled on the cement retainer at 3486' (only made 4"). Prepared for bit trip. Secured well.

### 8/27/18

Pulled out of hole with bit and collars. Waited on new bit and stabilizers. Secured well.

#### 8/28/18

Made up a new bit and stabilized BHA. Drilled out cement retainer at 3486' and cement. Pulled out of hole with bit and stabilized BHA. Made up and ran in hole with a test packer. Set test packer at 3490' and tested the squeezed perfs between 3500' – 3508'. Both the tubing and annulus tests were good at 500 psi with no pressure bleed off. Released test packer and tested against the retrievable bridge plug at 3547'. Pressure tested from 3547' to surface with 560 psi; lost 20 psi over 30-minute test (good test). Bled off pressure and secured well.

### 8/29/18

Pulled test packer out of the hole. Ran in hole, released the bridge plug set at 3547' and pulled it out of the hole. Made up and ran in hole with anchor seal assembly on 3.5" coated tubing and stung into packer at 3725'. Spaced out, pumped packer fluid, stung seals back into packer, land hanger and tested backside. Nippled down BOP and nippled up wellhead and valves. Pressured annulus to 550 psi (good test). Secured well.

### 8/30/18

Performed MIT test at 590 psi, lost 15 psi over 30 minutes (good test). Witnessed by: Gilbert Cordero NMOCD Dist 2. Rigged down and demob. Spotted acid trucks and tested lines. Opened well and burst disk at 2507 psi. Established an injection rate into the formation.

Acidized with 238 bbl acid at 12 BPM & 2280 psi.

Pumped 50 bbls of gel water at 12 BPM & 2275 psi.

Pumped 238 bbl of acid at 12 BPM & 2282 psi.

Pumped 50 bbls of gel water at 12 BPM & 2278 psi.

Pumped 238 bbl of acid at 12 BPM & 2270 psi.

Pumped 50 bbls of gel water at 12 BPM & 2280 psi.

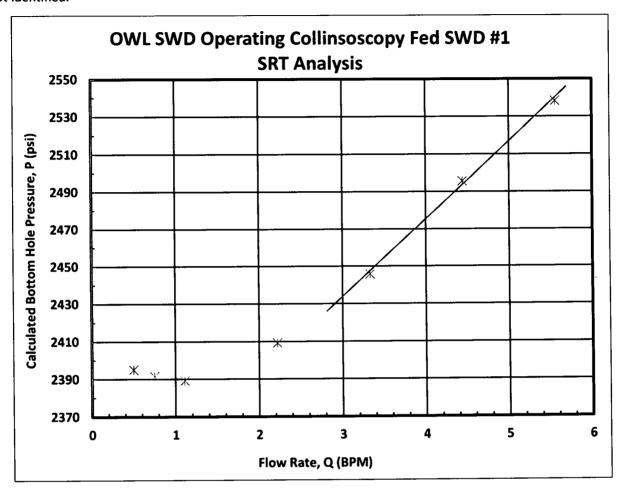
Pumped 238 bbl of acid at 2 BPM & 2276 psi (decrease rate to bottom of tank).

Pumped 500 bbls of produced water to flush at 12 BPM with a startup pressure of 1645 psi and end pressure of 1915 psi, ISIP 743 psi, 5-minute 741 psi, 10-minute 737 psi. Conducted step rate test at 0.5, 0.75, 1.11, 2.22, 3.33, 4.44 & 5.56 BPM. ISIP: 726 psi, 5-minute 712 psi. Pumped a total of 537 barrels of 9.8 ppg produced water during the SRT. Secured well.

### 8/31/18

Cleaned up location.

The 7-step Step Rate Test was performed after the acidizing job to identify the fracture gradient. However, the rates were not high enough to produce pressures above the fracture gradient, and thus, a break over point was not identified.



The wellhead pressures were recorded in 5-minute intervals throughout each 30-minute rate step. The following illustrates the corresponding pump rates and wellhead pressures witnessed.

Pumped a total of 537 barrels if produced water during the SRT.

Rate	Time (minutes)											
(bbl/min)	0	5	10	15	20	25	30					
0.5	716	713	712	711	711	710	709					
0.75	713	712	712	711	709	708	706					
1.11	715	713	712	713	713	712	713					
2.22	745	752	755	757	760	761	763					
3.33	820	824	826	828	839	836	839					
4.44	919	922	924	929	934	930	936					
5.56	1045	1036	1046	1046	1015	1004	997					

# COLLINSOSCOPY FED SWD #1

Perforation Schedule

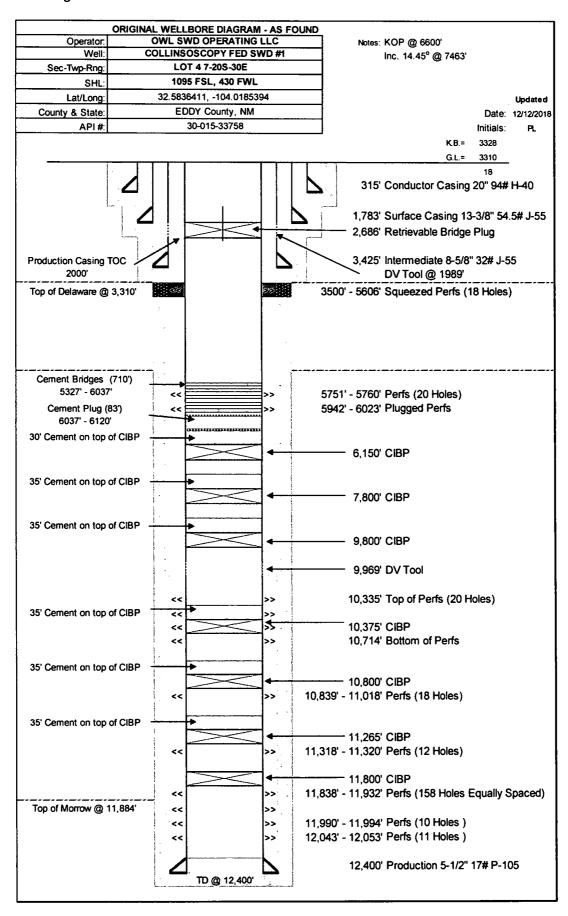
Interval	Top Depth	BTM Depth	Net Pay
1	5,136'	5,140'	4'
2	5,116'	5,126'	10'
3	5,088'	5,093'	5'
4	5,066'	5,076'	10'
5	5,040'	5,050'	10'
6	5,016'	5,026'	10'
7	4,998'	5,008'	10'
8	4,986'	4,992'	6'
9	4,962'	4,972'	10'
10	4,942'	4,948'	6'
11	4,900'	4,920'	20'
12	4,888'	4,892'	4'
13	4,880'	4,886'	6'
14	4,872'	4,876'	4'
15	4,860'	4,870'	10'
16	4,836'	4,856'	20'
17	4,822'	4,830'	8'
18	4,812'	4,814'	2'
19	4,788'	4,798'	10'
20	4,775'	4,780'	5'
21	4,678'	4,688'	10'
22	4,638'	4,646'	8'
23	4,604'	4,612'	8'
24	4,590'	4,598'	8'
25	4,544'	4,564'	20'
26	4,490'	4,510'	20'
27	4,452'	4,472'	20'
28	4,410'	4,430'	20'
29	4,390	4,398'	8'
30	4,354'	4,364'	10'
31	4,318'	4,328'	10'
32	4,280'	4,300'	20'
33	4,243'	4,247'	4'
34	4,222'	4,232'	10'
35		4,214'	10'
	4,204'		4'
36	4,168'	4,172'	14'
37	4,102'	4,116'	10'
38	4,088'	4,098'	5'
39 40	4,063'	4,068'	10'
	4,024'	4,034'	3'
41	4,005'	4,008' 4,000'	10'
42	3,990'	3,960'	4'
44	3,956' 3,936'	3,944'	8'
	3,930	3,924'	4'
45			4'
46	3,888'	3,892'	10'
47	3,860'	3,870'	
48	3,836'	3,846'	10'
49	3,818'	3,826'	8'
50	3,768'	3,788'	20'
51 TOT	3,752'	3,762'	10' 490'

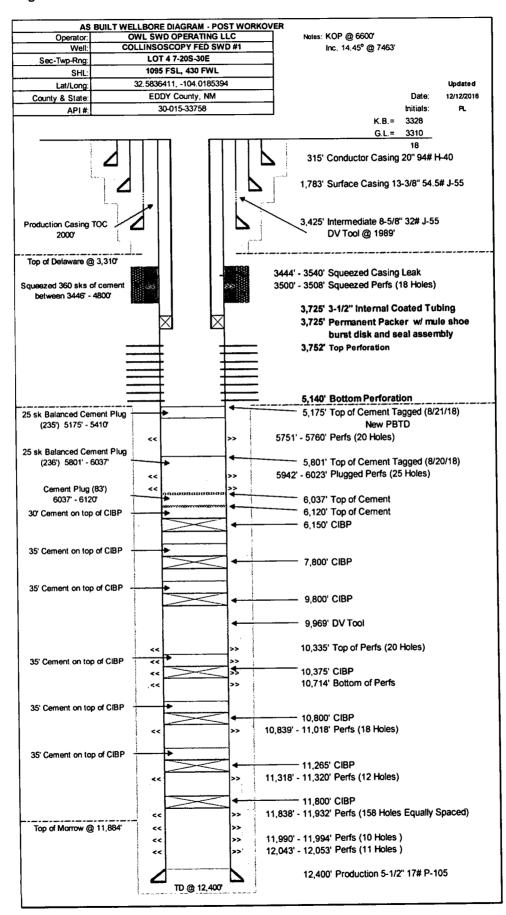
**TOTAL NET PAY (feet)** 

490'

TOTAL HOLES (4 SPF)

1960







Midland Yard #1721 - Phone 432,687,1994 - P.O. Box 10451 Midland, Texas 79702 OWL SWD 33666 Coverage TRIC No. 96691 1721-46268A 37728 San TOX No. And Toro PLUGBACK MIDI AND COLLINSOSCOPY FED 001 #2 EDDY NEW MEXICO Net Amoun CCT100 Cement, Class C 50 20.00 35.00% \$ 13.0000 \$ 1,000.00 \$ 650.00 1,330.00 \$ E101 Heavy Equipment Mileage mi 7.00 35.00% \$ 4.5500 \$ 864 50 190 CE240 Blending & Mixing Service Charge sk 50 \$ 1.40 35.00% \$ 0.9100 \$ 70.00 \$ 45.50 Proppant and Bulk Delivery Charges, per ton mile E113 tm 542 \$ 1.60 35.00% 1.0400 867.20 563.68 Depth Charge; 6001'-7000' **CE207** 4hrs 3,240.00 35.00% \$ 2,106.0000 \$ 3,240.00 \$ 2,106.00 Unit Mileage Charge-Pickups, Small Vans & Cars (one E100 mi 190 s 4.25 35.00% \$ 2.7625 \$ 807.50 \$ 524.88 Environmental Surcharge E119 Job \$ 100.00 35.00% \$ 65.0000 100.00 65.00 E120 DOT or Overweight Permit Charge Unit 50.00 35.00% \$ 32.5000 \$ 150.00 S 97.50 5001 Senior Supervisor 35.00% \$ 227.5000 \$ 350.00 day 1 S 350.00 S 227.50 S005 Equipment Operator, first 8 hrs on loc. ea 4 \$ 60.00 35.00% \$ 39.0000 240.00 156.00 CE505 Cement Densiometer, with chart recorder 350.00 35.00% \$ 227.5000 \$ 227.50 ea 350.00 CE206 Depth Charge; 5001-6000' 4hrs 2,880.00 2,880.00 1,872.00 35.00% \$ 1,872.0000 CC131 Sugar \$ lb 100 5.00 35.00% \$ 3.2500 500.00 \$ 325.00 #REF! 11,884.70 GROSS TOTAL: 7,725.06 NET TOTAL: 8/20/18 SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS (INCLUDING RIDEMARICATION OBLIGATIONS) LISTED HERE OR IN THE CUSTOMER CONTRACT FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. CUSTOMER AUTHORIZED AGENT

**Customer Comments or Concerns:** 



# PRESSURE PUMPING

Job Log

					TOD LOG						
Customera		OWL SWD			Cement Pump No.:	330	566	Operator TRM No.1 96691			
Address:					Ticket #2	1721-4	16266A	Bulk TRX No.: 37728			
City, State, Zip:					Job Type:			PLUGBACK			
Service District:		MIDLAND			Well Type:			OIL			
ell Hame and No.:	COLLIN	SOSCOPY FED	001 #2		Well Locations		County	EDDY	State: NEW MEXI		
Туре о	f Cmt	Sacks			Additives			Truck Loa	ided On	<u> </u>	
CLAS	s c	50			NEAT		33	666	Front Back		
							960	691	Front	Back	
							37	728	Front	Back	
Lead/	Tail:	Weight #1 Gal.	Yie	eld	Water Req	uirements	CU. FT.	Man	Hours / Perso	nnei	
Lea	ıd:	14.8	1.	32	6.3	31	66	Man Hours:		· · ·	
Та	il:							# of Men on Job:			
Time		Volume	Pu	mps	Press	ure(PSI)	D	escription of Oper	ration and Materia	ds	
(am/pm)	(BPM)	(BBLS)	T	С	Tubing	Casing					
2:30PM								ARRIVE TO	LOCATION		
								TEST W	ATER		
	<del></del>		-				JSA				
							RIG UP EQUIPMENT				
3:30PM					1000		PRESSURE TEST LINES				
3:32PM	2	7			100		PUMP F/WATER SPACER				
3:35PM	2.5	5.8			50		MIX & PUMP CMT @ 14.8 (25 SKS)				
3:42PM	1.5	34		-	20-600		DISPLACEMENT SHUT DOWN,RIG CREW P.O.O.H.				
4:01PM					600	·	<del></del>	ERSE UNIT, F			
	<del>, ,</del>					,	KEV	WAIT ON C		101	
								VVAIT ON CI	III TO TAG		
8:28PM	1.5	5			600			PUMP F/WAT	FR SPACER		
8:42PM	1.5	5.8		<b></b>	600		<del>                                     </del>	& PUMP CMT		KS)	
8:52PM	1	29			600-1200			DISPLAC			
9:22PM					1200		SHU	T DOWN, RIG		D.H.	
							REV	ERSE UNIT, I	REVERSED C	UT	
							R	IG DOWN AN	D MOVE OUT		
				<u> </u>							
				<u> </u>			<u> </u>		-	<u>.</u>	
Size Hole		Depth		<b>.</b>	L		TYPE				
Size & Wt. Csg.	5 1/2 17#	Depth			New / Used		Packer		Depth		
tbg.	2 7/8	Depth	60	)37	5175		Retainer		Depth		
Top Plugs		Туре	L				Perfs		CIBP	6037	
	· · · · · · · · · · · · · · · · · · ·					Basic Repres	entative:	GAB	RIEL ESCAL	ERA	
Customer Sig	nature:					Basic Signatu	re:	ball	451	1	
						Date of Service	ce:		8/20/2018		



8/17/18

SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS (INCLUDING INDEMNIFICATION OBJUGATIONS) LISTED HERE OR IN THE CUSTOMER CONTRACT FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGH THIS ORDER

# Field Ticket

Midland Yard #1721 - Phone 432.687.1994 - P.O. Box 10451 Midland, Texas 79702 86644 OWL 82309 reter TRK No. 73766 1721-48108A No. THE RE SQUEEZE Job Typ-MID: AND 1721 EDDY COLLINSOSCOPY FEDERAL 001 #2 CARLSBAD List Price Unit Code 600.00 20.00 40.00% 12.0000 | \$ 1,000.00 \$ CCT100 | Cement, Class C sk 50 112.50 12.50 7.5000 187.50 CC103 C-15 īĥ 15 \$ 40.00% 1,050.00 \$ 630.00 4.2000 S E101 Heavy Equipment Mileage mi 150 \$ 7.00 40.00% \$ 40.00% \$ 40.00% \$ 42.00 0.8400 70.00 \$ CE240 Blending & Mixing Service Charge sk 50 1.40 338.88 Proppant and Bulk Delivery Charges, per ton mile 564.80 \$ 353 1.60 0.9600 \$ E113 tm 2,160.00 40.00% \$ 1,296.0000 \$ 2,160.00 \$ 1.296.00 Depth Charge; 3001-4000 CE204 4hrs Unit Mileage Charge-Pickups, Small Vans & Cars (one 40.00% 2.5500 637.50 382.50 150 4.25 E100 mi 100.00 \$ 100.00 40.00% \$ 60.0000 60.00 E119 Environmental Surcharge Job 1 2 90.00 150.00 \$ 30,0000 \$ E120 DOT or Overweight Permit Charge Unit 3 50.00 40.00% \$ 210.00 350.00 \$ 350.00 40.00% \$ 210.0000 S001 Senior Supervisor day 108.00 Equipment Operator, first 8 hrs on loc. 3 60.00 40.00% \$ 36.0000 180.00 \$ S005 ea 40.00% \$ 210.0000 350.00 210.00 350.00 S CE505 Cement Densiometer, with chart recorder 62 6,799.80 GROSS TOTAL: 3 4,079.88 NET TOTAL: ZUCOREY LINSTER proved accounts do total recognition does on surface travel 2000. E si due at the role of 15% per models or the stackmass attent the event to incomment to employ on approxy analysis attent outly or individity incomment for much collection. In the event the part of the designation assessment.

Basic Energy Services appreciates any comments, concerns or criticisms from the vestioners as Salety and Castomer Severation are our Number One goal. All comments are captidented and will be used in a constructive regimes by improve one Salety and Job Performance. We watcome them as a grant foot to superove approve approve approve a salety and Job Performance.

Customer Comments or Concerns:

CUSTOMER AUTHORIZED AGENT



# RESSURE PUMPING Job Log

Customer:		OWL			Coment Pump No.:	82:	309	Operator TRK No.:	866	44		
Address:			_	·	Ticket #:	1721-4	16108A	Butk TRK No.: 73766				
City, State, Zip:				_	Job Type:			SQUEEZE	· · · · · · · · · · · · · · · · · · ·			
Service District:		MIDLAND 1721			Well Type:			OIL &GAS				
il Name and No.:	COLLINS	OSCOPY FEDERA	VL 001	#2	Well Locations	CARLSBAD	County	EDDY	State: NM			
Туре о	f Cmt	Sacks			Additives	<del></del>	<del></del>	Truck Loa	ded On			
С		50			3/10%C-15		82:	309	Front Back			
			<u> </u>				866	644	Front	Back		
							<del></del>	766	Front	Bac		
Lead/		Weight #1 Gal.		eld	Water Req		CU. FT.	Man I	lours / Persor			
Lea		14.8	1.	32	6.3	31	66	Man Hours:	24			
Ta		<u> </u>						Ø of Men on Job;	3			
Time	(0010	Volume		mps		ure(PSI)	) P	escription of Open	ation and Material	8		
(am/pm) 3:00PM	(BPM)	(BBLS)	Т	С	Tubing	Casing	CTV T	HAELA DOUVE	ONLOCATION	OIN		
3:10PM		<del>                                     </del>		-				IME)ARRIVED JSA/RI		JIN		
3:45PM	· · · · · · · · · · · · · · · · · · ·	<del> </del>		<u> </u>		u ,-	<del> </del>					
3:50PM							INJECTION RATE  PRESSURE TEST					
3:57PM	1	11.7			700-1900	<del></del>	CEMENT					
4:10PM	1.05	15			1900-2200		DISPLACEMENT					
4:31PM					2200-500		HESITATE					
4:40PM	.31	1.5			500-2700		SQUEEZE					
4:50PM					2700-1500		HESITATE					
5:15PM					1500			STING	OUT			
5:20PM								RIG DO	OWN			
6:30PM								LEAVE LO	CATION			
		ļ				· · · · · · · · · · · · · · · · · · ·			·			
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Size Hole		Depth		•	<u> </u>		TYPE	_				
Size & Wt. Csg.	5 1/2	Depth	48	309	New / Used		Packer		Depth			
tbg.	2 7/8	Depth		144			Retainer	YES	Depth	3444		
Top Plugs	NA	Туре					Perfs		CIBP	4809		
						Basic Represe	entative:	ZUC	OREY LINST	ER		
ustomer Sig	nature:					Basic Signatu		-3	n []			
						Date of Service		ستنديد.	8/17/2018			

Voter 766/ 16.5 Disp 1.5 cmip



Midland Yard #1721 - Phone 432.687.1994 - P.O. Box 10461 Midland, Texas 79702 OWL 82309 86544 TEN No Operator TRIX No. 1721-46106A 73766 Buth TRK No SQUEEZE Job Ty OIL &GAS MIDLAND 1721 The Tax **COLLINSOSCOPY FEDERAL 001** CARLSBAD LEA Rest NM Measure PrioriUnit List Price Discount CCT100 Cement, Class C 1,000.00 \$ 600.00 sk 50 \$ 20.00 40.00% \$ 12,0000 S E101 Heavy Equipment Mileage mi 150 7.00 40.00% 4.2000 1,050.00 630.00 E113 Proppant and Bulk Delivery Charges, per ton mile tm 353 1.60 40 00% \$ 0.9600 564.80 338.88 Blending & Mixing Service Charge CE240 sk 50 1.40 40.00% \$ 0.8400 70.00 42.00 **CE204** Depth Charge; 3001-4000' 4hrs 2,160.00 40 00% \$ 1,296.0000 \$ 2,160.00 \$ 1,296.00 40.00% \$ 40.00% \$ E100 Unit Mileage Charge-Pickups, Small Vans & Cars (one 150 2.5500 637.50 382.50 mi 4.25 Environmental Surcharge E119 100.00 \$ 100.00 60.0000 60.00 Job 1 E120 DOT or Overweight Permit Charge 50.00 30.0000 Unit 3 ŝ 40.00% \$ 150.00 \$ 90.00 S001 Senior Supervisor day 350.00 40.00% \$ 210.0000 350.00 \$ 210.00 S005 Equipment Operator, first 8 hrs on loc 60.00 40.00% \$ 36.0000 180.00 \$ 108.00 ea 3 CE505 Cement Densiometer, with chart recorder 350.00 40.00% \$ 210.0000 350.00 \$ 210.00 ea GROSS TOTAL: \$ 6,612.30 NET TOTAL: \$ 3,967.38 **ZUCOREY LINSTER** 8/15/18 SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS (INCLUDING INDEMNISCATION OBLIGATIONS) LISTED HERE OR IN THE CUSTOMER CONTRACT FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. CUSTOMER AUTHORSZED AGENT Customer Comments or Concerns:



PRESSURE PUMPING Job Log

Customera		OWL	-		0		***	T			
Address					Coment Pump No.1		309	Operator TRK No.:	8664		
<del></del>	<u> </u>				Ticket #	1721-4	6106A	Beth TRK No.: 73766			
City, State, Zip:					Job Types			SQUEEZE			
Service District:		MIDLAND 1721			Wall Type:			OIL &GAS			
Nell Mame and No.:	L	SOSCOPY FEDER	RAL 00	)1	Well Locations	CARLSBAD	County	LEA	States	NM	
Туре о	of Cmt	Sacks			Additives			Truck Loa	ded On		
С	<b>:</b>	50			NEAT		82	309	Front	Back	
							86	644	Front	Back	
							73	766	Front	Back	
Lead/	Tail:	Weight #1 Gal.	Yi	eld	Water Req	uirements	CU. FT.	Man I	lours / Person	nel	
Lea		14.8	1.	32	6.3	31	66	Man Hours:	48		
Та	il:							# of Men on Job:	4		
Time		Volume	Pu	mps	Press	ure(PSI)	D	escription of Opera	ation and Materials	3	
(am/pm)	(BPM)	(BBLS)	Т	С	Tubing	Casing					
3:30PM		<u> </u>					тхт)	IME)ARRIVED	ON LOCATION	NIC	
3:35PM								JSA/RI			
4:02PM	1	5			2800-2700		INJECTION RATE				
4:08PM					4500			PRESSUR	E TEST	<u> </u>	
4:12PM	1	11.5			2800		CEMENT				
4:24PM	1.05	18			2300-3100		DISPLACEMENT				
4:42PM					880-770		HESITATE				
4:52PM	0.25	2		<u> </u>	770-3200	······································	SQUEEZE				
4:58PM					1300-1200			HESIT	ATE		
5:08PM	0.3	1/2			1200-3500			SQUE	EZE		
5:09PM					3200-800			SHUT D	OWN		
5:15PM								REVERS	E OUT		
5:45PM								RIG DO	OWN		
7:00PM								LEAVE LO	CATION		
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Size Hole		Depth					TYPE				
Size & Wt. Csg.		Depth			New / Used		Packer		Depth		
tbg.		Depth					Retainer		Depth		
Top Plugs	NA	Туре		· · · · · ·			Perfs		CIBP		
		1				Basic Represe		ZUC	OREY LINSTI	ER	
Customer Sig	nature:					Basic Signatu		9	my TA		
3.3				<del></del>		Date of Service			8/15/2018		



Midland Yard #1721 - Phone 432,687,1994 - P.O. Box 10451 Midland, Texas 79702 OWL SWD 82309 86644 Page TEX No. Convener TRM No. 1721-46104A Buch TRX No. 33706 SQUEEZE Job Tyr MIDLAND 1721 OIL AGAS Mad To COLLINSOSCOPY FEDERAL 001 #2 CARL SRAD LEA List Price CCT100 Cement, Class C sk 200 20.00 12.0000 \$ 4.000.00 \$ 2.400.00 40.00% \$ CE204 Depth Charge; 3001-4000 4hrs 2,160.00 40.00% \$ 1,296.0000 2,160.00 1,296.00 E101 Heavy Equipment Mileage 7.00 mi 150 40.00% 4,2000 1,050.00 630.00 CE240 Blending & Mixing Service Charge sk 200 1.40 40.00% \$ 0.8400 280.00 \$ 168.00 Proppant and Bulk Delivery Charges, per ton mile E113 tm 1410 1.60 40.00% \$ 0.9600 2,256.00 \$ 1,353.60 CE240 Blending & Mixing Service Charge sk 1 1.40 40.00% \$ 0.8400 \$ 1.40 \$ 0.84 Unit Mileage Charge-Pickups, Small Vans & Cars (one E100 mi 150 4.25 2.5500 637.50 382.50 40.00% \$ E119 Environmental Surcharge Job 100.00 40.00% \$ 1 60.0000 100.00 \$ 60.00 DOT or Overweight Permit Charge E120 90.00 Unit 50.00 40.00% \$ 30.0000 150.00 3 5001 Senior Supervisor day 1 350 00 40.00% \$ 210.0000 350.00 \$ 210.00 Equipment Operator, first 8 hrs on loc. S005 ea 3 60.00 40.00% \$ 36.0000 180.00 \$ 108.00 CE505 Cement Densiometer, with chart recorder ea 350.00 40.00% \$ 210.0000 350.00 210.00 GROSS TOTAL: \$ 11,514.90 **NET TOTAL:** 6,908.94 ZUCOREY LINSTER 8/14/18 SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS INCLUDING INDEMNIFICATION OBLIGATIONS) USTED HERE OR IN THE CUSTOMER CONTRACT FORM AND REPRESENT THAT I HAVE NUTHORITY TO ACCEPT AND SIGN THIS ORDER. CUSTOMER AUTHORIZED AGENT Customer Comments or Concerns:



# PRESSURE PUMPING Job Log

Customer:	<u> </u>	OWL SWD			Coment Pump No.	99	309				
Address:					Ticket #:		1-461 <i>54</i> Α	Operator TRK No.:	86644		
City, State, Zip:				******		1721	1-461 <i>D4</i> A	Butk TRK No.: 33706			
Service District:		MIDI AND 4704			Job Type:			SQUEEZE			
		MIDLAND 1721			Well Type:		1	OIL &GAS			
Hi Name and No.:		<del>1</del>			Well Location:	CARLSBAD	County	LEA	State:	NM	
Туре о	of Cmt	Sacks			Additives	-		Truck Loa	ided On		
CLAS	SS C	200			NEAT		82:	309	Front Ba		
	<del></del>							544	Front	Back	
Lead/	Talls	Mainta #4 Cod	V:	اماء	14/-4 5			706	Front	Back	
Leau		Weight #1 Gal.		eld 32	Water Red		CU. FT.		Hours / Person	nei	
Ta		14.0		32	0.,	34	264	Man Hours:	3		
Time		Volume	p.	mps	Droco	ure(PSI)		# of Men on Job. escription of Open	-		
(am/pm)	(BPM)	(BBLS)	T	С	Tubing	Casing	- I	escription of Open	ation and material	5	
11:00AM	(	(333)	<u> </u>	Ť	vacing	County	(TX T	IME)ARRIVE	ONLOCATION	OIN	
11:10AM							1	JSA/RI			
11:50 AM	3	5			800	. , , ,		FRESH WATE			
12:11PM	2.5	47			500-1000-700		CEMENT				
12:39PM	1.025	21			0-1100-600		DISPLACEMENT				
1:10PM	,				600		SHUT DOWN				
1:15PM		<u> </u>					RIG DOWN				
2:00PM								LEAVE LO	CATION		
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Size Hole		Depth		<u> </u>	1	<u> </u>	TYPE				
Size & Wt. Csg.	5 1/2	Depth	48	309	New / Used		Packer		Depth		
tbg.	2 7/8	Depth		146			Retainer	YES	Depth	3446	
Top Plugs	NA	Туре					Perfs		CIBP		
						Basic Represe	entative:	ZUC	OREY LINST	.R	
Customer Sig	nature:					Basic Signatu	re:		3-3-6	1	
			-			Date of Service	e:	1	8/14/2018		



Midland Yard #1721 - Phone 432.687.1994 - P.O. Box 10451 Midland, Tekas 79702 OWL SWD 27890 96599 1721-46283 A 37727 PLUGBACK(DRY-RU) MIDLAND, TX OIL & GAS(SWD) COLLINSOSCOPY FEDERAL 001 #2 BUCKEYE LFA E101 **Heavy Equipment Mileage** mi 190 S 7.00 35.00% \$ 4.5500 1,330.00 \$ 864.50 CE240 Blending & Mixing Service Charge sk 100 1.40 35.00% \$ 0.9100 140.00 91.00 E113 Proppant and Bulk Delivery Charges, per ton mile tm 893 1.60 35.00% \$ 1.0400 1,428.80 \$ 928.72 E100 Unit Mileage Charge-Pickups, Small Vans & Cars (one mi 190 4.25 35.00% \$ 2.7625 \$ 807.50 \$ 524.88 E119 Environmental Surcharge 35.00% \$ 100.00 \$ S 100.00 65.0000 \$ 65.00 Job 1 E120 **DOT or Overweight Permit Charge** Unit 3 \$ 50.00 35.00% \$ 32.5000 150.00 \$ 97.50 S001 Senior Supervisor day 350.00 35.00% \$ 227.5000 \$ 350.00 \$ 227.50 S005 Equipment Operator, first 8 hrs on loc. 3 \$ 60.00 35.00% \$ ea 39.0000 \$ 180.00 \$ 117.00 CE505 Cement Densiometer, with chart recorder 350.00 35.00% \$ 227.5000 350.00 227.50 GROSS TOTAL: \$ 4,838.30 NET TOTAL: 3,143.60 LMCNEIL, HI SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS (INCLUDING INDEMNIFICATION OBLIGATIONS) LISTED HERE OR IN THE CUSTOMER CONTRACT FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. CUSTOMER AUTHORIZED AGENT

Customer Comments or Concerns:



# PRESSURE PUMPING

Job Log

Customer:		OWL SWD			Cement Pamp No.1		B90	Operator TRX No.: 96599		39	
Address					Ticket #:		6283 A				
City, State, Zip:	İ	****			Job Type:		PLU	PLUGBACK(DRY-RU)			
Service District:		MIDLAND,TX			Well Type:		OIL	IL & GAS(SWD)			
Well Hame and No.:	COLLINS	OSCOPY FEDERA	AL 001	#2	Well Location:	BUCKEYE	County:	LEA	State:	NM	
Туре	of Cmt	Sacks			Additives			Truck Loa	ded On	<del>-</del>	
							27	890	Front	Back	
							96	599	Front	Back	
							37	727	Front	Back	
Lead	/Tail:	Weight #1 Gal.	Yi	eld	Water Red	uirements	CU. FT.	Man I	lours / Persor	nnel	
Lea	ad:							Man Hours:	3		
Ta	il:							# of Men on Job:	3		
Time		Volume	Pu	mps	Press	ure(PSI)	, n	escription of Oper	ation and Materia	ls	
(am/pm)	(BPM)	(BBLS)	T	С	Tubing	Casing	1	resemption of open	Stor and motors	.5	
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1256P				<del>                                     </del>				RELEASED BY	<del></del>		
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Size Hole	ļ	Depth			7	<del></del>	TYPE			<del>, </del>	
Size & Wt. Csg.	ļ	Depth			New / Used		Packer		Depth	ļ	
tbg.	ļ	Depth					Retainer		Depth	L	
Top Plugs	<u> </u>	Туре			L		Perfs		CIBP	]	
						Basic Represe	entative:	//*	Y J.MCNEIL,	JN)	
Customer Sig	nature:					Basic Signatu	re:	7.1.	IN I		
						Date of Service	e:	1//	8/11/2018		



Midland Yard #1721 - Phone 432.687.1994 - P.O. Box 10451 Midland, Texas 79702 OWL SWD 27890 96599 1721-48292 A 28891 Back TRX No. Jab To PLUGBACK(SQUEEZE) MIDLAND.TX OIL & GAS(SWD) COLLINSOSCOPY FEDERAL 001 #2 CARLSBAD EDDY мм State CCT100 | Cement, Class C sk 60 \$ 20.00 40.00% \$ 12.0000 \$ 720.00 1,200.00 \$ CC103 C-15 Ιb 18 12.50 40.00% 7.5000 135.00 225.00 E101 Heavy Equipment Mileage mł 180 \$ 7 00 40.00% \$ 4.2000 1,260.00 \$ 756.00 Blending & Mixing Service Charge CE240 sk 60 1.40 40.00% \$ 0.8400 84.00 \$ 50.40 F113 Proppant and Bulk Delivery Charges, per ton mile 40.00% \$ tm 513 1.60 0.9600 \$ 820.80 \$ 492.48 CE204 Depth Charge; 3001-4000' 4hrs 1 \$ 2.160.00 40.00% \$ 1,296.0000 2,160.00 \$ 1,296.00 CE504 HIGH PRESSURE SWAGE & VALVE 250.00 40.00% \$ 150.0000 \$ job 250.00 \$ 150.00 40.00% \$ 40.00% \$ F100 Unit Mileage Charge-Pickups, Small Vans & Cars (one 180 mi 4.25 2.5500 765.00 \$ 459.00 E119 Environmental Surcharge dob 1 100.00 60.0000 | \$ 100.00 \$ 60.00 DOT or Overweight Permit Charge E120 Unit 3 \$ 50.00 40.00% \$ 30.0000 \$ 150.00 \$ 90.00 5001 Senior Supervisor \$ 40.00% \$ 210.0000 day 350.00 350.00 \$ 210.00 S005 Equipment Operator, first 8 hrs on loc 3 \$ 60.00 40.00% \$ 36 0000 180.00 S 108.00 ea CE505 Cement Densiometer, with chart recorder ea 1 \$ 350.00 40.00% \$ 210.0000 \$ 350.00 \$ 210.00 CC131 40.00% \$ Sugar 200 5.00 3.0000 1,000.00 \$ 600.00 lb S 8.894 80 GROSS TOTAL: \$ 5,336.88 NET TOTAL: \$ ACY J.MCNEIL, III ·D= 8/24/18 Date of Service BERVICE ORDER: I AUTHORIZE WORK TO BEKIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS (INCLUDING INDEMNIFICATION OBLIGATIONS) LISTED HERE OR IN THE CUSTOMER CONTRACT FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER CUSTOMER AUTHORISED AGENT Customer Comments or Concerns:



# PRESSURE PUMPING Job Log

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Customer:		OWL SWD			Comeat Pump No.:	278	390	Operator TRK No.:	965	99		
Address					Ticket #:	1721-4	8292 A	Bulk TRK No.: 28891				
City, State, Zip:					Job Type:		PLU	GBACK(SQUEEZ	Œ)			
Service District:		MIDLAND,TX			Well Type:		Oil	L & GAS(SWD	)			
Yoll Name and No.:	COLLINSO	SCOPY FEDERA	AL 001	#2	Well Location:	CARLSBAD	County	EDDY	States	NM		
Type o	of Cmt	Sacks			Additives			Truck Lo	aded On			
CLAS	ss c	60	3/10% C-15				27	890	Front Back			
							96	96599 Front E				
							28	891	Front Ba			
Lead	/Tail:	Weight #1 Gal.	Yi	eld	Water Req	uirements	ÇU. FT.	Man	Hours / Persor	nnel		
Lea	ad:	14.8	1.	32	6.3	31	79.2	Man Hours:	12			
Та	il:							# of Men on Job;	3			
Time		Volume	Pu	mps	Press	ure(PSI)		Description of Ope	ration and Materia	ls		
(am/pm)	(BPM)	(BBLS)	T	С	Tubing	Casing						
1000A								ARR	IVE			
1015A								SPOT E	QUIP.			
1035A								RIG	UP			
1200P								JS	Α	· · · · · · · · · · · · · · · · · · ·		
1215P					4000			PSI T	EST			
1220P	.7-1.2	7				0-2900		EST. RAT				
1233P	1.2-1.7	14.1				2900-2075	MIX & PUMP CMT @14.8(EOT/RET. 3487')					
1245P	1.75	13.5				2075-4000	DISPLACE STG.1					
1255P						4000-1675	SHUT DOWN & WAIT 10MIN.					
105P	0.1	0.25				1675-4000	DISPLACE STG.2					
107P						4000-2400	s		WAIT 10MIN.			
117P	0.1	0.2				2400-4000	<del> </del>	DISPLAC				
119P						4000-0			& STING OUT			
125P		40-50					· · ·	REV. HAND				
142P								CMT CREW	<del></del>			
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Size Hole		Depth		•			TYPE		·····			
Size & Wt. Csg.	5 1/2 & 17#	Depth	3547'		New / Used		Packer		Depth			
tbg.	2 7/8	Depth		87'			Retainer	YES	Depth	3487'		
Top Plugs		Туре					Perfs	3500'-3508'	CIBP	3547'		
		, , , , , , , , , , , , , , , , , , ,				Basic Represe	<del></del>	- /-	CY, J.MCNEIL,			
Customer Sig	nature:					Basic Represe			WINDNELD			
	outsioner orginature.							11.7	· · · · · · · · · · · · · · · · · · ·			
						Date of Service	e:	8/24/2018				

