Form 3160-5, (June 2015)

# UNITED STATES DEPARTMENT OF THE INTEREST SDAO FIELD OFFICE BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018

Lease Serial No SUNDRY NOTICES AND REPORTS ON WELL'S NMNM112273 Do not use this form for proposals to drill cr to re-enter an 6 If Indian, Allottee or Tribe Name abandoned well. Use form 3160-3 (APD) for such proposals CONSERVAT 7. If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on page 2 8. Well Name and No.
COLLINSOSCOPY FEDERAL 1 1. Type of Well ☑ Oil Well ☐ Gas Well ☐ Other Name of Operator Contact: MATT THIEL API Well No OWL SWD OPERATING LLC 30-015-33758-00-S3 E-Mail: mthiel@owlinv.com 3b. Phone No. (include area code) 10. Field and Pool or Exploratory Area 3a. Address Ph: 214-292-2011 **BURTON FLAT DELAWARE** 8214 WESTCHESTER DRIVE SUITE 850 DALLAS, TX 75255 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State EDDY COUNTY, NM Sec 7 T20S R30E Lot 4 1095FSL 430FWL 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION ☐ Production (Start/Resume) ■ Water Shut-Off ☐ Acidize Deepen ■ Notice of Intent □ Alter Casing ☐ Hydraulic Fracturing □ Reclamation ■ Well Integrity Subsequent Report ■ New Construction ☐ Recomplete Other □ Casing Repair ☐ Plug and Abandon ☐ Temporarily Abandon ☐ Final Abandonment Notice □ Change Plans ☑ Plug Back ☐ Water Disposal □ Convert to Injection 13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection. REVISED WB Diagram, procedure & number of perfs. Well Plugged back to 5175', perforated gross interval 3752'-5140', 4SPF, 0.42" holes, 1960 holes total. Acidized w/ 238 bbls, 15% HCl. See attached for Detailed Cement, Perforations, Acid & Step Rate Test Reports and Workover Summary & WB Diagrams. Accepted For Record 14. I hereby certify that the foregoing is true and correct. Electronic Submission #447693 verified by the BLM Well Information System For OWL SWD OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 12/13/2018 (19PP0627SE) Title **WORKOVER & COMPLETIONS MANAGER** Name (Printed/Typed) MATTHEW HOFFMAN 12/13/2018 (Electronic Submission) Signature THIS SPACE FOR FEDERAL OR STATE OFFICE USE JONATHON SHEPARD Title PETROLEUM ENGINEER Date 02/22/2019 Approved By Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

which would entitle the applicant to conduct operations thereon

Office Carlsbad

### Revisions to Operator-Submitted EC Data for Sundry Notice #447693

**Operator Submitted** 

**BLM Revised (AFMSS)** 

Sundry Type:

PLUGBACK SR

SR

Lease:

NMNM112273

NMNM112273

**PLUGBACK** 

Agreement:

Operator:

OWL SWD OPERATING LLC 8214 WESTCHESTER DRIVE SUITE 850 DALLAS, TX 75255 Ph: 214-292-2011

OWL SWD OPERATING LLC 8214 WESTCHESTER DRIVE SUITE 850 DALLAS, TX 75255 Ph: 432.234.0427

Admin Contact:

MATT THIEL CORPORATE DEVELOPEMENT

E-Mail: mthiel@owlinv.com

Ph: 214-292-2011

MATT THIEL CORPORATE DEVELOPEMENT

E-Mail: mthiel@owlinv.com Cell: 214-422-2497 Ph: 214-292-2011

**Tech Contact:** 

MATTHEW HOFFMAN WORKOVER & COMPLETIONS MANAGER

E-Mail: matthew.hoffman@iptenergyservices.com

Ph: 720-420-5722

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E-Mail: matthew.hoffman@iptenergyservices.com

Ph: 720-420-5722

Location: State:

NM EDDY

County: Field/Pool:

NM EDDY

**BURTON FLAT DELAWARE BURTON FLAT DELAWARE** 

Well/Facility:

**COLLINSOSCOPY FEDERAL 1** 

Sec 7 T20S R30E 1095FSL 430FWL

**COLLINSOSCOPY FEDERAL 1** 

Sec 7 T20S R30E Lot 4 1095FSL 430FWL

### **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.

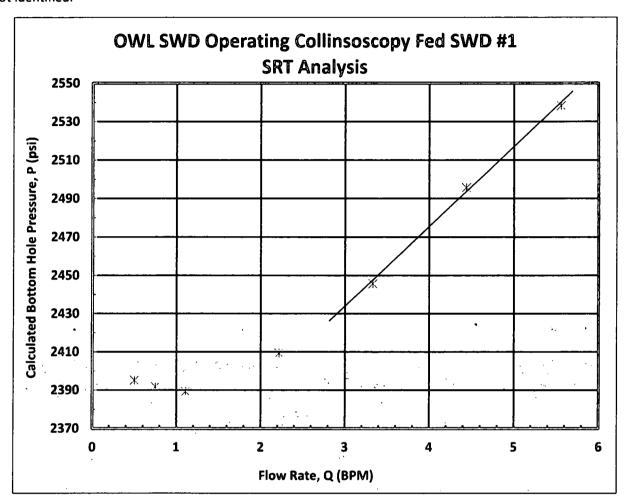
Pumped 238 bbl of acid at 2 BPM & 2276 psi (decrease rate to bottom of tank).

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					

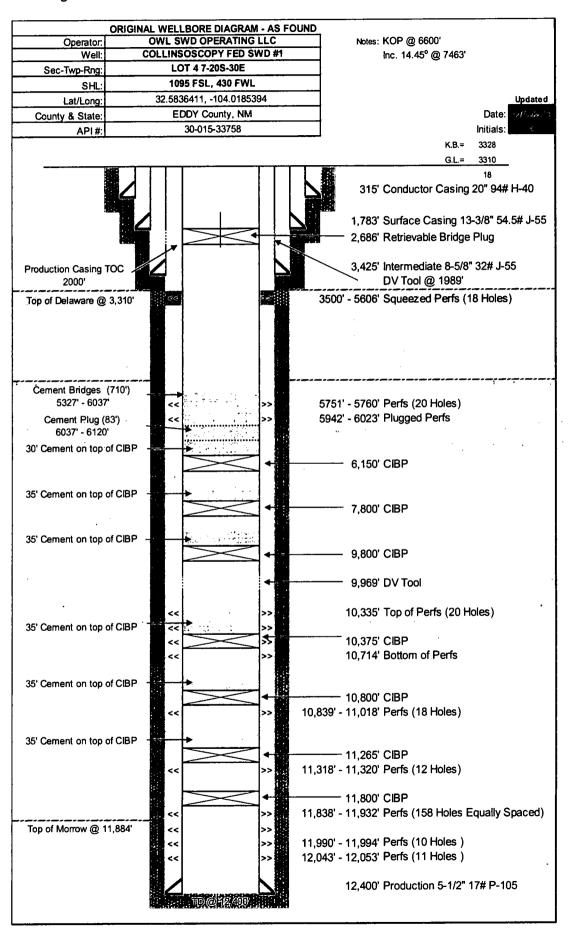
### **COLLINSOSCOPY FED SWD #1**

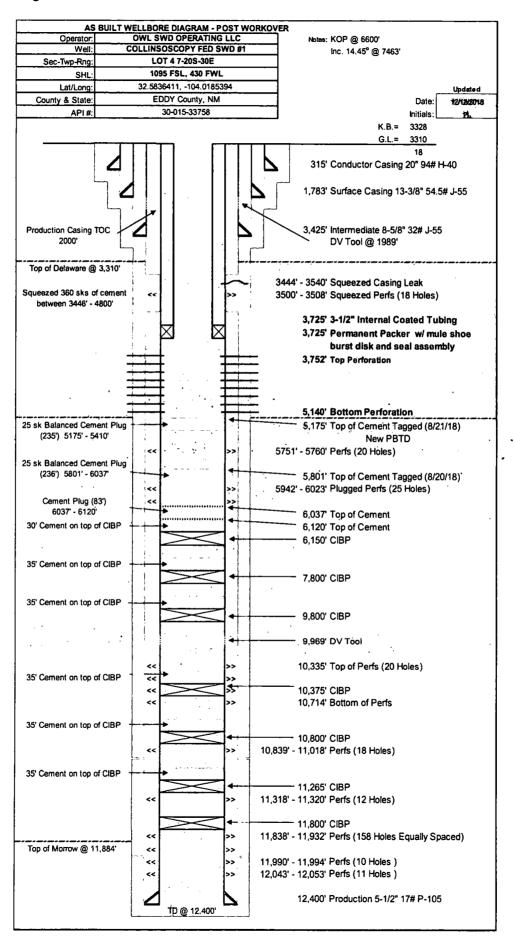
Perforation Schedule

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'		10'
35	4,222	4,232' 4,214'	10'
36	4,204	4,214	. 4'
37	4: 4 0 0	4,172	14'
38	4,102° 4,088°	4,098'	10'
39	4,063'	4,098	5'
40	4,003	4,034'	10'
41	4,005'	4,008'	3'
42	3,990'	4,000'	10'
43	3,956'	3,960'	4'
44	3,936'	3,944'	8'
45	3,920'	3,924'	4'
46	3,888'	3,892'	<del>4</del>
47	3,860'	3,870'	10'
48			10'
49	3,836'	3,846'	8'
	3,818'	3,826'	
50	3,768'	3,788'	20'
51	3,752'	3,762'	10' <b>490'</b>

TOTAL NET PAY (feet)

490'







Midland Yard #1721 - Phone 432.687.1994 - P.O. Box 10451 Midland, Texas 79702 OWL SWD 33666 96691 Puma TRK No. Operator TRX No. 1721-46266A Ticket No Suis TRX No 37728 City, State, Zir PLUGBACK Job Type MIDLAND Oil Well Type **COLLINSOSCOPY FED 001 #2** EDDY NEW MEXICO Code Cement, Class C 20.00 \$ 13.0000 \$ 1,000.00 \$ 650.00 sk Heavy Equipment Mileage 1,330.00 \$ 864.50 mi \$ 7.00 S 4.5500 \$ Blending & Mixing Service Charge sk \$ 1.40 \$ 0.9100 \$ 70.00 45.50 Proppant and Bulk Delivery Charges, per ton mile tm \$ 1.60 1.0400 S 867.20 \$ 563.68 Depth Charge; 6001'-7000' 4hrs \$ 2,106.0000 \$ \$ 3,240.00 3,240.00 \$ 2,106.00 Unit Mileage Charge-Pickups, Small Vans & Cars (one mi 4.25 \$ 2.7625 \$ 807.50 \$ 524.88 Environmental Surcharge 100.00 Job \$ S 65.0000 \$ 100.00 \$ 65.00 DOT or Overweight Permit Charge Unit \$ 50.00 32.5000 \$ 150.00 \$ 97.50 day Senior Supervisor \$ 350.00 \$ 227.5000 \$ 350.00 \$ 227 50 Equipment Operator, first 8 hrs on loc. ea \$ 60.00 \$ 39.0000 \$ 240.00 \$ 156.00 Cement Densiometer, with chart recorder \$ 350.00 \$ 227.5000 \$ 350.00 \$ 227.50 ea Depth Charge; 5001-6000' 4hrs 2.880.00 \$ 1,872.0000 \$ 2,880.00 | \$ S 1,872.00 Sugar Ιb \$ 5.00 3.2500 500.00 325.00 11,684,70 GROSS TOTAL \$ **NET TOTAL:** 7,725.06 GABRIEL ESCALERA TERMS AND CONDITIONS. Cash in advance unless Basic Energy Services (BES) has approved under prior to sale. Credit terms of sale for exproved procurs are total envice due on or before the 300 days from the date of environ. Part due accounts may pay interest on the balance past due in the rote of 13% per model with a management decided by spellacible state of the format form. Thus there in the selection content pays appears payed when the event of increasing the selection of said account Cesterine feeding queen is payed the decity or intraverly incurred for such celection. The selection is continued to Esterine feeding queen is payed the decid or intraverly incurred for such celection. The event of his count with BES becomes compages (BES) has the right to reck any and all discount trivial county applied in arrangy and named price fution innocation. The full discount payed without discount and become immediately due and events and events.

SERVICE ORDER: LAUTHORIZE 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:



Customen		OWL SWD			Cement Pump No.:	336	66	Operator TRK No.: 96691				
Address:					Ticket #:	1721-4	6266A	Bulk TRK No.:	3772	28		
City, State, Zip:					Job Ty <del>pe</del> :			PLUGBACK				
Service District:		MIDLAND			Well Type:	<del></del> "-		OIL				
Il Name and No.:	COLLIN	SOSCOPY FED (	001 #2		Well Location:		County:	EDDY	State:	NEW MEXIC		
Type of	Cmt	Sacks			Additives			Truck Loa	ded On			
CLAS		50			NEAT		336	366	Front	Back		
							96691 Front					
										Back Back		
							37728 Front  CU FT Man Hours / Personne					
Lead/		Weight #1 Gal.	Yie		Water Req		CU. FT.		lours / Persor	nnei		
Lea		14.8	1.:	32	6.3	81	66					
Tai	il:							# of Men on Job:				
Time		Volume	Pu	mps	Press	ure(PSI)	D	Description of Operation and Materials				
(am/pm)	(BPM)	(BBLS)	Т	С	Tubing	Casing						
2:30PM				<u> </u>				ARRIVE TO		· <b></b>		
				<u> </u>			<u> </u>	TEST W				
	·				-		<u>.</u>	JS/				
<u> </u>				ļ. ,			RIG UP EQUIPMENT					
3:30PM					1000		PRESSURE TEST LINES					
3:32PM	2	7 .		ļ	100	·	PUMP F/WATER SPACER					
3:35PM	2.5	5.8		ļ	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	···			<u> </u>	600	<del></del>						
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0.00514		5			600			PUMP F/WAT	ER SPACER			
8:28PM	1.5 1.5	5.8		<del> </del> -	600		<del></del>	& PUMP CMT		KS)		
8:42PM 8:52PM	1	29	ļ	<del></del>	600-1200			DISPLAC				
9:22PM		20			1200		SHU	T DOWN, RIG	CREW P.O.	O.H.		
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Size Hole		Depth					TYPE		T	1		
Size & Wt. Csg.	5 1/2 17#	Depth			New / Used		Packer Depth					
tbg.	2 7/8	Depth	60	037	5175		Retainer Depth					
Top Plugs	<u> </u>	Туре	Ì				Perfs	erfs CIBP 6037				
		<u> </u>	-			Basic Repres	entative:	GAE	RIEL ESCAL	ERA		
Customer Sig	nature:					Basic Signatu	ire:	ball	45/	1		
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						HOIZHU TAIG		** 110tie 432.00	7.1334	- F.O. BOX 10431	HILL	12110, TEXAS 79702
Costomer	OWL	Pump TRX No. :			82309			Operator TRX No.:		86	544	
Address:		Ticket No. :		17	21-46108A		+-	Bath TRK No		73	766	
							<u> </u>		<u> </u>			
City, State, Zip:		Job Type:						SQUEEZE				
Service District:	MIDLAND 1721	West Type:						OIL &GAS				
Well Name and No. :	COLLINSOSCOPY FEDERAL 001 #2	Well Location:	CARLSBAD		County:		ED					NM
Product										State:		
Code	Description	Urut of Measure	Quanty		List Price Unit	tiern Discount		Discounted List Price		Gross Amount		Net Amount
	Cement, Class C	sk	50	\$	20.00	10,57	\$		\$	1,000.00	•	600.00
	ocinicity olassis	- 3n	:	•	20.00	*	۳	12.0000	-	1,000.00	*	000.00
<del></del> ,	C-15 10%	lb		-	42.50		-	7 5000	-	407.50	-	440.50
	Heavy Equipment Mileage			\$	12.50		\$	7.5000	\$	187.50	\$	112.50
		mi		\$	7.00	•	\$		\$	1,050.00	\$	630.00
	Blending & Mixing Service Charge	sk		\$	1.40		\$		\$	70.00	\$	42.00
	Proppant and Bulk Delivery Charges, per ton mile	tm		\$	1.60		\$		\$	564.80	\$	338.88
	Depth Charge; 3001-4000'	4hrs		\$	2,160.00	·		1,296.0000	\$	2,160.00	\$_	1,296.00
	Unit Mileage Charge-Pickups, Small Vans & Cars (one	mi		\$	4.25		\$	2.5500	\$	637.50	\$	382.50
	Environmental Surcharge	Job	L	\$	100.00		\$	60.0000	\$	100.00	\$	60.00
. "	DOT or Overweight Permit Charge	Unit		\$	50.00		\$	30.0000	\$	150.00	\$	90.00
50	Senior Supervisor	day		\$	350.00		\$	210.0000	\$	350.00	\$	210.00
	Equipment Operator, first 8 hrs on loc.	ea		\$	60.00		\$		\$	180.00	\$	108.00
^ .	Cement Densiometer, with chart recorder	ea		\$	350.00		S		\$	350.00	\$	210.00
	Total Control Control Control Control			*	330.00	· · · · · · · · · · · · · · · · · · ·	۲	210.0000	-	330.00	-	210.00
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										GROSS TOTAL:	5	6,799 80
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	<u></u>						L			NET TOTAL:	\$_	4,079.88
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TERMS AND CONDITIONS			Basic Magnesentative					ZUCOREY L		R		·
personal data at the rate of 13%	invoice due on or before the 30th day from the date of envoice. Past due accounts may pay interest on the basance per month or the masertum allowable by applicable state or federal lates if such taxes land interest to a tesser amount.						7	1	7			
STOLEN OF A CHOCKY PROPERTY	to employ an agency and/or allothey to affect the collection of said account. Guistomer heraby agreem to pay all hers if for such sollection in the event that Contomer's account with DES becomes defenquent. DES has the right to revoke		are pare				Z	2,	<u> </u>			
any and at discounts previous remediately due and overig	ausly applied to arriving at tire twoice price. Upon revocation, the full linvide price without discount will become		Date of Cervice					8/17/1	8			
		SERVICE ORD	ER: 'AUTHORIZE	E WO	RK TO BEGIN PE	R SERVICE INS	TRL	ICTIONS IN ACCO	RDANC	E WITH TERMS AND	CON	DITIONS
		(INCLUDING IN	DEMNIFICATION	OBU	GATIONS) LISTE	DHERF OR IN T	HE (	CUSTOMER CONT	RACT	ORM AND REPRES	ENT T	HAT I HAVE
	CUSTOMER AUTHORIZED AGENT	AUTHORITY TO	ACCEPT AND S	IGN 1	HIS ORDER							
	Cu	stomer Co	mments or	Co	ncerns:							



### Job Log

					OOD LOG				; <del></del>		
Gustomer:		OWL			Cement Pump No.:	82	309	Operator TRK No.:	866	44	
Address:					Ticket #:	1721-4	46108A	Bulk TRK No.:	737	66	
City, State, Zip:					Job Type:			SQUEEZE			
Service District:		MIDLAND 1721			Well Type:			OIL &GAS			
fell Name and No.:	COLLINS	OSCOPY FEDERA	L 001	#2	Well Location:	CARLSBAD	County	EDDY	State:	NM	
Туре о	f Cmt	Sacks			Additives			Truck Loa	aded On		
С		50			3/10%C-15		82	309	Front	Back	
				<del></del>	··· <u>-</u>		86	644	Front	Back	
		1					73	766	Front	Back	
Lead/	Tail:	Weight #1 Gal.	Yi	eld	Water Rec	uirements	CU. FT.	Man	Hours / Persor	nnel	
Lea	ıd:	14.8	1.	32	6.3	31	66	66 Man Hours: 24			
Ta	il:							# of Men on Jab	3		
Time		Volume	Pu	mps	Press	ure(PSI)	D	escription of Oper	ation and Materia	 Is	
(am/pm)	(BPM)	(BBLS)	Т	С	Tubing	Casing					
3:00PM							r XT)	TIME)ARRIVE	ON LOCATI	OIN	
3:10PM		<u> </u>				··		JSA/RI	G UP		
3:45PM								INJECTIO			
3:50PM				<u> </u>	·		PRESSURE TEST				
3:57PM	1	11.7			700-1900	·	CEMENT				
4:10PM	1.05	15			1900-2200		DISPLACEMENT				
4:31PM		<del> </del>			2200-500		HESITATE				
4:40PM	.31	1.5			500-2700		SQUEEZE				
4:50PM			-		2700-1500			HESIT			
5:15PM					1500			STING RIG DO			
5:20PM								LEAVE LC			
6:30PM		<del>                                     </del>						·	70/11/014		
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Size Hole		Depth					TYPE				
Size & Wt. Csg.	5 1/2	Depth	<b>⊿</b> Я	09	New / Used		Packer		Depth	<u> </u>	
tbg.	2 7/8	Depth		44			Retainer	YES	Depth	3444	
Top Plugs	NA NA	Туре		••			Perfs		CIBP	4809	
		1 .750			<u> </u>	Basic Represe	<u></u>	ZUC	OREY LINST		
Customer Sign	nature:					Basic Signatu			in W!		
Customer Oly	idiaio.	<del></del>				Date of Service			8/17/2018		

Valur 7661 16.5 DISA 1.5 cm/ pa



Midland Yard #1721 - Phone 432.687.1994 - P.O. Box 10451 Midland, Texas 79702 82309 OWL mp TRX No. 1721-46106A 73766 SQUEEZE Job Typ OIL AGAS Service Statute MIDLAND 1721 Wed Tre COLLINSOSCOPY FEDERAL 001 all Name and No CARLSBAD LEA Description Cement, Class C sk 20.00 12.0000 \$ 1,000.00 | \$ 600.00 630.00 Heavy Equipment Mileage 7.00 4.2000 S 1,050.00 \$ mi Proppant and Bulk Delivery Charges, per ton mile tm \$ 1.60 \$ 0.9600 \$ 564.80 \$ 338.88 Blending & Mixing Service Charge sk \$ 1.40 0.8400 \$ 70.00 \$ 42.00 Depth Charge; 3001-4000' 2,160.00 \$ 1,296.0000 \$ 2,160.00 \$ 1,296.00 4hrs Unit Mileage Charge-Pickups, Small Vans & Cars (one 2.5500 \$ 637.50 \$ 382.50 mi 4.25 Environmental Surcharge Job S 100.00 60.0000 S 100.00 \$ 60.00 DOT or Overweight Permit Charge Unit \$ 50.00 30.0000 150.00 \$ 90.00 Senior Supervisor day \$ 350.00 \$ 210.0000 \$ 350.00 \$ 210.00 Equipment Operator, first 8 hrs on loc. 36.0000 \$ 180.00 \$ S 60.00 108.00 ea \$ Cement Densiometer, with chart recorder ea 350.00 210.0000 350.00 210.00 GROSS TOTAL: \$ 6,612 30 NET TOTAL: 3,967.38 ERIES AND CONDITIONS. Cash in enteress unless Danis Energy Services (EL.3) has approved creat price to also Execute services due not to before the 300 c/p; timm the date of encour Petit use accounts are total intense of a not to before the 300 c/p; timm the date of encour Petit use accounts may pay intensif or the behavior to be account to the law intensification of the services ZUCOREY LINSTER Basic Signature 8/15/18 O119718

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 AUTI (ORITY TO ACCEPT AND SIGN THIS ORDER CUSTOMER AUTHORIZED AGENT Customer Comments or Concerns:



		OWL			Coment Pump No.:	82	82309 Operator TRK No.: 86644					
Address:		<del></del>			Ticket #:	1721-4	16106A	Buik TRK No.:	7376	6		
City, State, Zip:		- · · · · · · · · · · · · · · · · · · ·			Job Type:			SQUEEZE	<u></u>			
Service District:		MIDLAND 1721			Well Type:			OIL &GAS				
Veil Name and No.:	COLLIN	SOSCOPY FEDER	RAL 00	1	Well Location:	CARLSBAD	County:	LEA	State:	NM		
Type of	Cmt	Sacks			Additives			Truck Loa	ided On			
С	· · · · · · · · · · · · · · · · · · ·	50			NEAT	······	82:	309	Front			
				<del></del>			86644 Front					
· · · · · · · · · · · · · · · · · · ·	<del></del>						73766 Front					
Lead/1	Tail:	Weight #1 Gal.	Yie	eld	Water Red	uirements	CU. FT.		Hours / Person	nel		
Lead		14.8		32	6.:		66	Man Hours:	48	*		
Tail							# of Men on Job: 4					
Time		Volume	Pu	mps	Press	sure(PSI)	D	escription of Oper	ation and Material	s		
(am/pm)	(BPM)	(BBLS)	Т	С	Tubing	Casing	1	·				
3:30PM							T XT)	IME)ARRIVE	ON LOCATION	DIN		
3:35PM								JSA/RI	G UP			
4:02PM	1	5			2800-2700			INJECTIO	N RATE			
4:Ó8PM				-	4500	• -						
.4:12PM	1 .	11.5			2800		CEMENT					
4:24PM	1.05	18			2300-3100		DISPLACEMENT					
4:42PM					880-770			HESIT	ATE			
4:52PM	0.25	2			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				
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 1700				Basic Represe			OREY LINSTE	R		
Customer Signa	ature:					Basic Replese Basic Signatur		-4	7/			
Customer Sign	ature.					Date of Service			8/15/2018			



### PRESSURE PUMPING

						HUMANO TAIL W.		-1 110112 402,00		-1.O. DOX 10431	******	M. 10, 10223 15102
Customer:	OWL SWD	Pensp TRK No. :			82309			Operator TRK No. :	1	86	344	
Address	· · · · · · · · · · · · · · · · · · ·	Ticket No. :			1721-461 <b>0</b> 4	<u> </u>	_	Guik TRK Ne,:	<b></b>	33	705	
		ADPL PRO. :	ļ		.,21-40104	<u> </u>	L		[ <u>-</u> -	33.		
City, State, Zip:		Job Type:						SQUEEZE				
Service District:	MIDLAND 1721	Well Type:						OIL &GAS				
Well Name and No. :	COLLINSOSCOPY FEDERAL 001 #2		CARLSBAD	_		Γ			_			
1		Well Location:			County:		LE			6 tarter:		NM
Product Code	Description	Unit of Measure	Quanity		List	Item		Discounted		Gross		Net Amount
	Cement, Class C		30.3		Price/Unit	Discount	•	List Price		Amount		0.400.00
	Depth Charge; 3001-4000'	sk	7,20	\$	20.00		\$	12.0000		4,000.00	\$	2,400.00
	Heavy Equipment Mileage	4hrs		\$	2,160.00	<u> </u>		1,296.0000	\$	2,160.00	\$	1,296.00
		mi	- ; '	\$	7.00		\$	4.2000	\$	1,050.00	\$	630.00
0.52 (	Blending & Mixing Service Charge	sk	305	\$	1.40		\$	0.8400	\$	280.00	\$	168.00
- 1	Proppant and Bulk Delivery Charges, per ton mile	tm	4.4	\$	1.60		\$	0.9600	\$	2,256.00	\$	1,353.60
	Blending & Mixing Service Charge	sk		\$	1.40		\$	0.8400	\$	1.40	\$	0.84
	Unit Mileage Charge-Pickups, Small Vans & Cars (one	mi	:	\$	4.25		\$	2.5500	\$	637.50	\$	382.50
	Environmental Surcharge	Job		\$	100.00		\$	60.0000	\$	100.00	\$	60.00
27.28d	DOT or Overweight Permit Charge	Unit		\$	50.00		\$	30.0000	\$	150.00	\$	90.00
	Senior Supervisor	day		\$	350.00		\$	210.0000	\$	350.00	\$	210.00
	Equipment Operator, first 8 hrs on loc.	ea		\$	60.00		\$	36.0000	\$	180.00	\$	108.00
	Cement Densiometer, with chart recorder	ea		\$	350.00		\$	210.0000	Š	350.00	\$	210.00
	Tomata Donot Motor, With Order 1000100.			Ť	300.00		۲	210.000	<b>  •</b>	000.00	<u> </u>	210.00
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							Г			GROSS TOTAL:	,	11,514.90
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ļ										NET TOTAL:	\$	6,908.94
			-									
TERMS AND CONDITIONS	S Cash in advance unless Basic Energy Scrinces (BES) has approved credit price to sale. Credit terms of labe for		Васис Коргементации			•		ZUCOREY L	INSTE	R ·		}
approved accounts are total	mission due on or before the 30th day from the date of shorce. Pactitus accounts may pay interest in the bolence per month or the resource allowable by applicable state or fadoral leves if such loves both moneys to a lesser amount	-							71			
in the event # is nocessary in	is simpley an agency and/or agomey to effect the collection of said account. Customer hereby agrees to pay all fees		Basic Signature			-	=	To d	<u> </u>			
any and all decounts preve	d for such collection. In the overtitist Customer's account with 665 becomes delinquent 1960 has the right to revene while applied in arriving at not intrince price. Upon revocation, the full invade price without discount will become		, ,			•		7/	_			
enmediately due and owing	and subject to collection	PEDIACE 05-	Date of Service	F 14	OF TO FFOR	-D CCM ***	TOI	8/14/1	-	WITH TERMS AND	COL	OCHOUS
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	CUSTOMER AUTHORIZED AGENT		ACCEPT AND S									-
		stomer Co	mments or	Co	ncerns:							
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# PRESSURE PUMPING Job Log

Customer:		OWL SWD			Gement Pump No.:	823	309	Operator TRK No.:	8664		
Address:					Ticket #:	1721	-461 <i>64A</i>	Bulk TRK No.:	3370	6	
City, State, Zip:					Job Type:			SQUEEZE			
Service District:		MIDLAND 1721			Well Type:			OIL &GAS			
il Namo and No.:					Well Location:	CARLSBAD	County:	LEA	State:	NM	
Type of	Cmt	Sacks			Additives			Truck Loa	ided On	<del></del>	
CLAS	sc	200			NEAT		823	309	Front	Back	
							866	644	Front	Back	
							337	706	Front	Back	
Lead/	Tail:	Weight #1 Gal.	Yi	eld	Water Req	uirements	CU. FT.	Man I	Hours / Persor	nel	
Lea	d:	14.8	1.	32	6.3	34	264				
Tai	it:						# of Men on Job. 3				
Time		Volume	Pu	mps	Press	ure(PSI)	D	escription of Oper	ation and Material	s	
(am/pm)	(BPM)	(BBLS)	T	С	Tubing	Casing			<del></del>		
11:00AM							(TX T		ON LOCATION	DIN	
11:10AM				<u> </u>				JSA/RI			
11:50 AM	3	5		<u></u>	800			FRESH WATE			
12:11PM	2.5	47	<u> </u>		500-1000-700		CEMENT				
12:39PM	1.025	. 21		<u> </u>	0-1100-600		DISPLACEMENT				
1:10PM				ļ	600		SHUT DOWN				
1:15PM	· · · · · · · · · · · · · · · · · · ·			<u> </u>			RIG DOWN				
2:00PM				ļ				LEAVE LC	CATION		
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Size Hole		Depth					TYPE		<del></del>	τ	
Size & Wt. Csg.	5 1/2	Depth	48	309	New / Used		Packer		Depth		
tbg.	2 7/8	Depth	34	146			Retainer	YES	Depth	3446	
Top Plugs	NA	Туре					Perfs		CIBP		
		<u></u>		-		Basic Repres	entative:	ZUC	OREY LINST	ER	
Customer Sig	nature:					Basic Signatu			336	1	
Justomer Oly		<del></del>				Date of Service			8114/2018	<del>,</del>	



Midland Yard #1721 - Phone 432,687,1994 - P.O. Box 10451 Midland, Texas 79702 OWL SWD 27890 ump TRK No. Operator TRK No. 1721-46283 A Bulk TRK Me. 37727 PLUGBACK(DRY-RU) Job Type MIDLAND,TX OIL & GAS(SWD) Service District Well Typ COLLINSOSCOPY FEDERAL 001 #2 BUCKEYE NM Description Measure List Price 7.00 Heavy Equipment Mileage 4.5500 \$ 1,330.00 \$ 864.50 mi \$ Blending & Mixing Service Charge sk \$ 1.40 \$ 0.9100 \$ 140.00 \$ 91.00 Proppant and Bulk Delivery Charges, per ton mile 1.60 1.0400 \$ 928.72 \$ 1,428.80 \$ tm \$ Unit Mileage Charge-Pickups, Small Vans & Cars (one 4.25 2.7625 \$ 807.50 \$ 524.88 mi S \$ Environmental Surcharge Job \$ 100.00 \$ 65.0000 \$ 100.00 \$ 65.00 DOT or Overweight Permit Charge 150.00 \$ 97.50 Unit \$ 50.00 32.5000 \$ 5 Senior Supervisor day \$ 350.00 \$ 227.5000 \$ 350.00 \$ 227.50 Equipment Operator, first 8 hrs on loc. 39.0000 117.00 \$ 60.00 \$ \$ 180.00 \$ ea Cement Densiometer, with chart recorder ea \$ 350.00 \$ 227.5000 \$ 350.00 | \$ 227.50 GROSS TOTAL S 4 836 30 NET TOTAL: 3,143.60 TERMS AUDICONDITIONS — all in leasured wand back, beings benome all cytem commenced to the commenced of the LACY I MONEIL, III 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:



Customer:		OWL SWD			Cement Pump No.:	278	890	Operator TRK No.:	9659	9
Address:					Ticket #:	1721-4	6283 A	Bulk TRK No.:	3772	!7
City, State, Zip:					Job Type:		PLU	GBACK(DRY-RU	)	
Service District:		MIDLAND,TX			Well Type:		OIL	. & GAS(SWD)	)	
Well Name and No.:	COLLINS	OSCOPY FEDERA	AL 001	#2	Well Location:	BUCKEYE	County:	LEA	State:	NM
Туре о	f Cmt	Sacks			Additives		ļ	Truck Loa	ded On	
							278	390	Front	Back
	_						ļ	599	Front	Back
								727	Front	Back
Lead/		Weight #1 Gal.	Yie	eld	Water Req	uirements	CU. FT.		Hours / Person	nnel
Lea								Man Hours:	3	
Та	il:							≠ of Men on Job:	3	
Time		Volume	Pu	ımps	Press	sure(PSI)	D	escription of Oper	ation and Material	s
(am/pm)	(BPM)	(BBLS)	Т	С	Tubing	Casing				
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Size Hole		Depth					TYPE			
Size & Wt. Csg.		Depth			New / Used		Packer		Depth	
tbg.		Depth					Retainer		Depth	
Top Plugs		Туре					Perfs		CIBP	
		<u> </u>				Basic Represe		4 ; 7 ; 1	Y J.MCNEIL,	u.
Customer Sigr	nature:				2	Basic Signatur	· · · · · · · · · · · · · · · · · · ·		11/13	~
sactorner orgi					1			11-1-1-		
						Date of Service	e:	1/	8/11/2018	



Midland Yard #1721 - Phone 432.687.1994 - P.O. Box 10451 Midland, Texas 79702 27890 OWL SWD Pump TRK No. 96599 Operator TRM No.: 1721-46292 A 28891 Ticket No. Bulk TRX No.: City, State, Zi Job Type PLUGBACK(SQUEEZE) Service Distric MIDLAND,TX Well Type OIL & GAS(SWD) COLLINSOSCOPY FEDERAL 001 #2 CARLSBAD County: EDDY State NM Unit of Code List Price Cement, Class C sk \$ 20.00 12.0000 \$ 1,200.00 \$ 720.00 C-15 lb \$ 12.50 7.5000 225.00 135.00 Heavy Equipment Mileage mi \$ 7.00 S 4.2000 \$ 1,260.00 \$ 756.00 Blending & Mixing Service Charge sk \$ 1.40 \$ 0.8400 \$ 84.00 \$ 50.40 Proppant and Bulk Delivery Charges, per ton mile tm \$ 1.60 \$ 0.9600 \$ 820.80 \$ 492.48 \$ 1,296.0000 \$ Depth Charge; 3001-4000' 4hrs \$ 2,160.00 2.160.00 \$ 1,296.00 HIGH PRESSURE SWAGE & VALVE job \$ 250.00 150.0000 S 250.00 150.00 Unit Mileage Charge-Pickups, Small Vans & Cars (one mi 4.25 \$ 2.5500 \$ 765.00 \$ 459.00 Environmental Surcharge s 100.00 doL s 60.0000 | \$ 100.00 | \$ 60.00 DOT or Overweight Permit Charge Unit \$ 50.00 30.0000 \$ 150.00 \$ 90.00 Senior Supervisor \$ 350.00 210.0000 \$ 350.00 \$ day \$ 210.00 Equipment Operator, first 8 hrs on loc ea \$ 60.00 36.0000 \$ 180.00 \$ 108.00 Cement Densiometer, with chart recorder ea \$ 350.00 \$ 210.0000 \$ 350.00 \$ 210.00 Sugar lb \$ 5.00 \$ 3.0000 \$ 1,000.00 \$ 600.00 GRCSS TOTAL S 6 £94°80 NET TOTAL: \$ 5,336.88 TERUS AND COMMITTONS: To commonwe with its brought of the first open of the committee of th ACY J.MCNEIL,III 1-1 8/24/18 SERVICE ORDER: I AUTHORIZE WORK TO BEEN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH TERMS AND CONDITIONS INSCLUDING INSELMMENTATION OB. IS ATTURABLED HERE OR IN THE CUSTOMER COMMENCE FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER GUSTOMER AUTHORIZED AGENT Customer Comments or Concerns:



	December 1											
Customer:		OWL SWD			Cement Pump No.:	278	190	Operator TRK No.:	9659			
Address:					Ticket #:	1721-4	6292 A	Bulk TRK No.:	2889	<del></del>		
City, State, Zip:					Job Type:		PLUC	BACK(SQUEEZ	E)			
Service District:		MIDLAND,TX			Well Type:		OIL	. & GAS(SWD	)			
fell Name and No.:	COLLINSO	SCOPY FEDERA	L 001	#2	Well Location:	CARLSBAD	County:	EDDY	State:	NM		
Туре о	f Cmt	Sacks			Additives			Truck Loa	ided On			
CLAS	SS C	60	3/10% C-15				278	390	Front	Back		
*							969	599	Front	Back		
							28	891	Front	Back		
Lead	Tail:	Weight #1 Gal.	Yi	eld	Water Req	uirements	CU. FT.	Man	Hours / Persor	nnel		
Lea	ad:	14.8	1.	32	6.3	31	79.2	Man Hours:	12			
Ta	il:					<del></del> _	# of Men on Job 3					
Time		Volume Pumps			Press	ure(PSI)	٥	escription of Oper	ation and Materia	ls		
(am/pm)	(BPM)	(BBLS)	T	С	Tubing	Casing						
1000A				ļ				ARR		<del></del>		
1015A				<u> </u>			-	SPOT E				
1035A				<u> </u>	<u> </u>		RIG UP					
1200P							JSA					
1215P					4000		PSI TEST					
1220P	.7-1.2	7.				0-2900	EST. RATE/CIRC.					
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				<u> </u>		4000-1675	s	8 NWOD TUH	WAIT 10MIN	·		
105P	0.1	0.25				1675-4000	<u> </u>	DISPLAC	E STG.2			
107P						4000-2400	s	HUT DOWN 8	WAIT 10MIN	·		
117P	0.1	0.2				2400-4000		DISPLAC	E STG.3			
119P						4000-0	9	HUT DOWN	& STING OUT			
125P		40-50					· · · · · · · · · · · · · · · · · · ·	REV. HAND	REV. OUT			
142P								CMT CREW	WASH UP			
200P								RDI	MO ·			
·						÷						
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								<del> </del>				
					1					,		
				<del> </del>			<del> </del>	-				
Size Hole		Depth		l	<u> </u>		TYPE					
Size & Wt. Csg.	5 1/2 & 17#		35	47'	New / Used				T			
tbg.	2 7/8	Depth		87'			Retainer YES Depth 3487'					
Top Plugs	2	Туре	- 5				Perfs	3500'-3508'	CIBP	3547'		
	<u> </u>	. , , , ,	<u> </u>	-	<u> </u>	Basic Represe		<del></del>	<del>],</del>	<del> </del>		
Customer Sin	Customer Signature:					Basic Signature:			LACY, J.MCNEIL JII			
Outstand Oightatare.						Davis digitation			· · · · · · · · · · · · · · · · · · ·	8/24/2018		
						Date of Service	:e:	1-4/	012412018			

