



ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645
Telephone (970) 284-6006



RIG/UNIT #: 354
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 2871293-SO1

DATE: 02-Mar-17, 13:00

Page: 1 of 1

COMPANY									
PDC ENERGY, INC				LOCATION: UHRICH 13-29 (CO, Station: Lasalle)				PO:	
ATTENTION: ACCOUNTS PAYABLE								AFE:	
BRIDGEPORT, West Virginia, USA 26330									

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
CHARGES & EXPENDABLES SUB-TOTAL			0.00
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 0.00

ROD & TUBING DETAILS			
ROD DETAILS			
PULLED	SIZE:	PLAIN:	SCRAPERS:
PONYS:			
RAN	SIZE:	PLAIN:	SCRAPERS:
PONYS:			
NOTES:			
TUBING DETAILS			
PULLED	SIZE:	JOINTS:	TALLY:
RAN	SIZE:	JOINTS:	TALLY:
LANDED AT:			
NIPPLE AT:			
NOTES:			
PUMP DETAILS			
SIZE:		TYPE:	SERIAL #:

PRESSURE TESTS						
FUNCTION BOP	TIME TO OPERATE (s)	LOW (psi)	TIME (min)	HIGH (psi)	TIME (min)	TEST DATE & TIME
INITIAL ACCUM. PRESSURE:		FINAL ACCUM. PRESSURE:		RECHARGE TIME:		
DAILY WALK AROUND: Not run		RAM SAVER: NO		EMERGENCY HORN TEST: Not run		
LEL TEST: Not run		CROWN SAVER: Not run		EMERGENCY ENGINE KILLS: Not run		
DETAILED INSPECTION DATE:				SCBA DRILL DATE:		
MAN DOWN DRILL DATE:				RIG RESCUE DRILL DATE:		
BOP DRILL DATE:				BOP DRILL DURATION:		
IADC DETAILED INSPECTION DATE:						
WEATHER: Sunny		WIND: Calm		TEMP: 45 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
02-Mar-17, 13:00	02-Mar-17, 19:00	6.00	Well Services	1:00PM TO 3:00PM CHECK THE PSI 150/150 MOVE THE FEMNCE OUT THE WELL SPOT THE EQUIPMENT AND THE RIG RIG UP RIG UP PUMP AND LINES PSI TEST THE LINES TO 2000 PSI TEST OK BLEED THE PSI OFF 3:00PM TO 4:30 BLEED OFF THE WELL CHANGE EQUIPMENT TO 1 1/2 AND CIRCULATE GOOD THE HOLE ON LAND THE WELL NIPPLE UP THE 3000 FLANGE AND THE B.O.P PSI TEST THE B.O.P TO 1500 PSI TEST OK 4:30PM TO 6:30PM STAR LAY DOWN THE 1 1/2 IN THE TRAILER LAY DOWN 208 JTS AND 10'FT SUB DRAIN PUMP AND LINES CLEAN THE LOCATION SHUT IN 6:30PM TO 7:00PM CREW GO HOME.
TOTAL TIME: 6.00 hours				

CREW/DETAILS									
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST FROM RES (mi)	INJURY FREE
Service Rig Manager	Abel Alvarez	02-Mar-17, 06:00	6.00	0.00	No	0.00		0.00	Yes
Relief Operator	Oscar Ruiz	02-Mar-17, 06:00	6.00	0.00	No	0.00		0.00	Yes
Floorhand	Jose Luna Morales	02-Mar-17, 06:00	6.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	02-Mar-17, 06:00	6.00	0.00	No	0.00		0.00	Yes
Floorhand	Esgar Galvan-Rodriguez	02-Mar-17, 06:00	6.00	0.00	No	0.00		0.00	Yes
Floorhand	Chris Buckridge	02-Mar-17, 06:00	6.00	0.00	No	0.00		0.00	Yes

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	The customer agrees that the contractor ("Ensign") will perform the work and supply the materials ("the work") as described within and in accordance with the conditions set out in the IADC contract and in accordance with all exhibits, specifications, schedules and/or parts (if any) attached hereto. OPERATOR'S REP. SIGNATURE: ELOY COSSIO 970-744-9564



ENSIGN WELL SERVICES

24020 Weld County Road 46, LaSalle, Colorado 80645
Telephone (970) 284-6006



RIG/UNIT #: 354
TOUR: Day Shift

DAILY WORK RECORD

Ticket No: 2871293-SO2

DATE: 03-Mar-17, 06:00

Page: 1 of 1

COMPANY			
PDC ENERGY, INC		LOCATION: UHRICH 13-29 (CO, Station: Lasalle)	
ATTENTION: ACCOUNTS PAYABLE		PO:	
BRIDGEPORT, West Virginia, USA 26330		AFE:	

CHARGES & EXPENDABLES			
NAME	QTY	UNIT PRICE	EXT. PRICE
CHARGES & EXPENDABLES SUB-TOTAL			0.00
FIELD ESTIMATE (TAX NOT INCLUDED)			\$ 0.00

ROD & TUBING DETAILS			
ROD DETAILS			
PULLED	SIZE:	PLAIN:	SCRAPERS: PONY:
RAN	SIZE:	PLAIN:	SCRAPERS: PONY:
NOTES:			
TUBING DETAILS			
PULLED	SIZE:	JOINTS:	TALLY:
RAN	SIZE:	JOINTS:	TALLY:
LANDED AT: NIPPLE AT:			
NOTES:			
PUMP DETAILS			
SIZE:		TYPE:	SERIAL #:

PRESSURE TESTS						
FUNCTION BOP	TIME TO OPERATE (s)	LOW (psi)	TIME (min)	HIGH (psi)	TIME (min)	TEST DATE & TIME
INITIAL ACCUM. PRESSURE:		FINAL ACCUM. PRESSURE:		RECHARGE TIME:		
DAILY WALK AROUND: Not run		RAM SAVER: NO		EMERGENCY HORN TEST: Not run		
LEL TEST: Not run		CROWN SAVER: Not run		EMERGENCY ENGINE KILLS: Not run		
DETAILED INSPECTION DATE:				SCBA DRILL DATE:		
MAN DOWN DRILL DATE:				RIG RESCUE DRILL DATE:		
BOP DRILL DATE:				BOP DRILL DURATION:		
IADC DETAILED INSPECTION DATE:						
WEATHER: Partly Cloudy		WIND: Calm		TEMP: 32 °F		H2S (%): 0.0

DETAILS OF OPERATIONS				
FROM	TO	DURATION (hrs)	ACTIVITY	DETAILS
03-Mar-17, 06:00	03-Mar-17, 19:00	13.00	Well Services	6:00AM TO 7:00AM CREW TRAVEL TO LOCATION SAFETY MEETING AND CHECK THE PSI 0 7:00AM 8:30AM RIG UP THE WIRE LINE TO GO SET THE C.I.B.P @6481 AND DROP 2 BAGS CEMENT ON TOP THE PLUG FULL UP THE CASING AND PSI TEST THE CASING TO 1000 PSI FOR 15 MIN. TEST OK BLEED THE PSI OFF RIG DOWN THE WIRE LINE 8:30 AM TO 10:30 AM CHANGE EQUIPMENT TO 1 1/2 RUN IN W/25 JTS @834.04'FT CIRCULATE GOOD THE HOLE 10:30AM TO 12:00AM RIG UP THE CEMENT CREW PUMPING A BALANCE PLUG RIG DOWN THE CEMENT CREW AND LAY DOWN THE 25 JTS AND RIG UP WIRE LINE TO GO CUT THE CASING @780'FT NIPPLE DOWN THE B.O.P AND THE 3000 WELL HEAD ON LAND THE CASING NIPPLE UP THE SPOOL AND THE B.O.P CHANGE EQUIPMENT TO 3 1/2 1:00PM 4:00PM CIRCULATE GOOD THE HOLE AND RIG UP THE CEMENT CREW PUMPING 310 SXS AND RIG DOWN THE CEMENT CREW LAY DOWN 26 JTS 3 1/2 NIPPLE DOWN THE B.O.P SPOOL AND RIG UP THE CEMENT CREW TOP OFF CEMENT TO THE SURFACE AND RIG DOWN CEMENT CREW 4:00PM 6:30PM CLEAN THE TOOLS DRAIN AND RIG DOWN PUMP AND LINES CLEAN THE LOCATION RIG DOWN PUT THE FENCE BACK IN WELL AND MOVE THE RIG TO THE O GRADY #2 SPOT THE EQUIPMENT AND THE RIG 6:30PM TO 7:00PM CREW GO HOME.

TOTAL TIME: 13.00 hours

CREW DETAILS									
ROLE	NAME	START TIME	DURATION (hrs)	TRAVEL TIME (hrs)	PERS. VEH.	TRAVEL DIST (mi)	SUB.	DIST. FROM RES (mi)	INJURY FREE
Service Rig Manager	Abel Alvarez	03-Mar-17, 06:00	13.00	0.00	No	0.00		0.00	Yes
Relief Operator	Oscar Ruiz	03-Mar-17, 06:00	13.00	0.00	No	0.00		0.00	Yes
Floorhand	Jose Luna Morales	03-Mar-17, 06:00	13.00	0.00	No	0.00		0.00	Yes
Operator	Ever Valverde	03-Mar-17, 06:00	13.00	0.00	No	0.00		0.00	Yes
Floorhand	Esgar Galvan-Rodriguez	03-Mar-17, 06:00	13.00	0.00	No	0.00		0.00	Yes
Floorhand	Chris Buckridge	03-Mar-17, 06:00	13.00	0.00	No	0.00		0.00	Yes

SIGNATURES	
RIG MANAGER/SUPERVISOR'S SIGNATURE: 	The customer agrees that the contractor ("Ensign") will perform the work and supply the materials ("the work") as described within and in accordance with the conditions set out in the IADC contract and in accordance with all exhibits, specifications, schedules and/or parts (if any) attached hereto. OPERATOR'S REP. SIGNATURE: ELOY COSSIO 970-744-9564

37532

3/3/2017

3/3/2017

3/3/2017

Well #:	13-29
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Invoice Ref. #.

Invoice #:

•

EN SIGN 354

RMOR Employee:

Tax:

Total Service & Material:



FIELD RECEIPT

TN # FL1497

Service Location: Brighton, Colorado 303-857-7948
Service Address: 15549 Hwy 52, Fort Lupton, CO 80612

Service Date:	3/3/2017
Customer:	Ensign Drilling
Address:	410 17th Street Suite 1200
City:	Denver
St:	CO 80202
Customer Rep:	Eloy

Well Name:	Uhrich 13-29
County:	Weld
State:	CO
API #	05-123-19365
AFE #	488

Job Type:	Stub Plug
Service Supervisor:	Klosterman, Austin
Pump #1	445046
Pump #2	

REF #	Description	unit of measure	unit price	quan	disc
CM006	O-Tex Ultra Premium Cement (94lbs/ks)	94SACK		310	70%
CT001	Pump Charge 0-1000'	4-HRS		1	70%
JM001	Data Acquisition System	JOB		1	70%
AE014	Environmental Fee*	JOB		1	70%
ML001	Pickup Mileage	UNT MIL		30	70%
ML002	Pump Truck/Heavy Vehicle Mileage	UNT MIL		30	70%
ML003	Bulk Cement Delivery/Return	MILE		219	70%
MX001	Bulk Material Mixing Service Charge	SCF		310	70%
CP031	Sugar	LBS		100	70%
CP022	SAPP (MFC35)	LBS		100	70%

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.
Customer Authorized Agent: _____



SERVICE ORDER CONTRACT

Customer: **Ensign Drilling**

Ticket Number: **FL1497**

Lease & Well Number: **Uhrich 13-29**

Date: **3/3/2017**

As consideration, The Above Named customer Agrees:

O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-Tex pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-Tex pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-Tex makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

O-Tex personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-Tex gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated. Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____



Job Summary

Ticket Number

TN#

FL1497

Ticket Date

3/3/2017

COUNTY	COMPANY	API Number
Weld	Ensign Drilling	05-123-19355
WELL NAME	RIG	JOB TYPE
Uhrich 13-29	Ensign 354	Stub Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NW SW 29 6N 64W	Klosterman, Austin	Eloy
EMPLOYEES		
	Forsyth, Scott	
	Davila, Isreal	

WELL PROFILE

Max Treating Pressure (psi):	1500	Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	9	780	400		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24	J-55	400	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	3.5	9.3	P-110	780	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	1.5	2.75		830	0		

CEMENT DATA

Stage 1:	From Depth (ft):	773	To Depth (ft):	830
Type: Stub Plug	Volume (sacks):	2.5	Volume (bbls):	0.5

Cement & Additives:

Density (ppg)

Yield (ft³/sk)

Water Req.

100% Class G

15.8

1.15

5.00

Stage 2:	From Depth (ft):	740	To Depth (ft):	0
Type:	Volume (sacks):	310	Volume (bbls):	63

Cement & Additives:

Density (ppg)

Yield (ft³/sk)

Water Req.

100% Class G

15.8

1.15

5.00

SUMMARY

Preflushes:	15 bbls of	Fresh Water	Calculated Displacement (bbl):	Stage 1	Stage 2	
	10 bbls of	SAPP	Actual Displacement (bbl)	1.5	0.5	
	bbls of			1.5	0.5	
Total Preflush/Spacer Volume (bbl):	25		Plug Bump (Y/N):	n/a	Bump Pressure (psi):	n/a
Total Slurry Volume (bbl):	63.5		Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	90.5					
Returns to Surface:	Cement	5 bbls				

Job Notes (fluids pumped / procedures / tools / etc.):


Job went according to program and customer's request. Job went well.

Thank You For Using

O - TEX Pumping

Customer Representative Signature:

CEMENTING JOB LOG

		CEMENTING JOB LOG		Project Number FL1497	Job Date 3/3/2017
O-Tex Location Brighton, Colorado 303-857-7948		Customer Ensign Drilling		State CO	County Weld
Lease Name Uhrich 13-29	Well No. Klosterman, Austin	O-Tex Field Supervisor Eloy			Customer Representative 970.744.9564
Job Type Stub Plug		Man Hours 24		API Number 05-123-19355	

USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.

[illegible]

JOB CALCULATIONS

1st plug TOC - 773'
2nd plug TOC - surface
310sx @15.8ppg - 63.5bbls

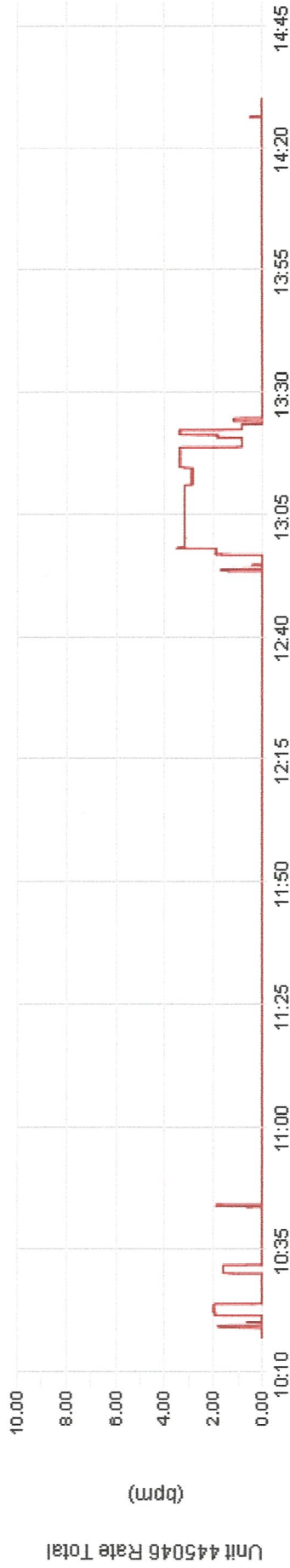
CASING DATA

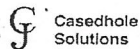
ANNULAR DATA

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW



Client	Ensign Drilling	Client Rep	Eloy	Supervisor	A. Klosterman
Ticket No.	1497	Well Name	Unrich 13-29	Unit No.	445046
Location	Sec29:T6N:R64W	Job Type	Abandonment Plugs	Service District	Brighton, CO
Comments	Mix up and pump 15.8ppg per customer			Job Date	03/03/2017





CASEDHOLE SOLUTIONS

Rev.121316 A

CUSTOMER P. O. NUMBER

SERVICE ORDER

PAGE

F-1064

1 of 1

* Service charges include a daily per diem of \$30.00/employee and a daily catering charge (when provided by Casedhole Solutions) of \$25.00/employee.

DATE

03/03/2017

SERVICE(S) AND/OR EQUIPMENT REQUESTED

CUSTOMER	COMPANY	Ensign		
FURNISHED	LEASE	Uhrich	WELL NUMBER	13-29
LEASE/WELL	LEGAL & LOCATION	05-123-19355		
INFORMATION	FIELD	Wattenberg	PARISH/COUNTY	Weld
			STATE	Colorado

THE UNDERSIGNED, HEREINAFTER REFERRED TO AS CUSTOMER AGREES TO PAY YOU FOR THE ABOVE SPECIFIED SERVICE(S) (INCLUDING LEASED EQUIPMENT) AND ANY ADDITIONAL SERVICE(S) REQUESTED, AT THE FIELD OFFICE OF CASEDHOLE SOLUTIONS, INC. IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF YOUR CURRENT PRICE SCHEDULE.

IN CONSIDERATION OF THE PRICES AS ARE SET OUT IN YOUR CURRENT APPLICABLE PRICE SCHEDULE WE CHOOSE TO BE BOUND BY THE TERMS AND CONDITIONS SET OUT IN THE CURRENT PRICE SCHEDULE (ALSO PRINTED ON THE REVERSE SIDE HEREOF), INCLUDING THE ASSUMPTION BY US OF THE LIABILITIES AND RESPONSIBILITIES CONTAINED IN THE RESPONSIBILITIES HEREIN ASSUMED BY US.

WHEN SIGNED BY AN AGENT ON BEHALF OF CUSTOMER, SAID AGENT REPRESENTS THAT HE HAS FULL AUTHORITY FROM HIS PRINCIPAL TO EXECUTE SAME, IN THE ABSENCE OF AUTHORITY, THE SIGNER AGREES THAT HE SHALL BE OBLIGATED HEREUNDER AS CUSTOMER.

CUSTOMER NAME Ensign

INVOICE MAILING ADDRESS

CITY

STATE

ZIP CODE

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

X

Thank you for using Casedhole Solutions!!

Total runs, all pages

0

THE ESTIMATED CHARGES AND DATA SHOWN ARE SUBJECT TO CORRECTION BY CASEDHOLE SOLUTIONS, INC. ACCOUNTING

UNIT NUMBER	OPERATION TYPE	WELL TYPE	ROUND TRIP MILEAGE
92-3376			
TRIP	HOISTING TYPE		

WIRELINE DEPTH	MAX. WELLHEAD PRESSURE	PSI	BOTTOM HOLE PRESSURE	PSI

Desc. NO.	PERF. INTERVAL	PLUG DEPTH	OPERATION	ITEM	QUAN.	UNIT PRICE	DISC.	DISC. PRICE	AMOUNT	SERVICE	FIRST READING	LAST READING	FOOTAGE DEL.
1			N - Packoff	each	1	0.000		230		Plug			
2		6600'	N - Gauge Ring or Depth Determination	per run	1	0.000		460		Perf			
3		6581'	N - Plug or Retainer - setting (3rd party)	each	1	0.000		1323					
4		6581'	N - Dump Bailer	per run	1	0.000		517.5					
5		780'	N - Jet Cutters (all)	each	1	0.000		1840					

STANDARD PRICING		TOTAL OF BOOK PRICE		TOTAL DISCOUNT		TOTAL DISCOUNT PERCENTAGE		ESTIMATED TOTAL CHARGE PAGE 1	
Runs for this job made in March were 0									

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE		LOGS RECEIVED AT WELL		CUST. INITIALS		SIGNATURE OF CASEDHOLE SOLUTIONS ENGINEER	
X Eloy Cossio						Meisner, Jacob	

CASING/TUBING RECORD				PERM. DEPTH DATUM				GROUND LEVEL				ELEV. _____				ELEV K.B.				
SIZE	WEIGHT	TYPE	FROM	TO	LOG MEAS. FROM				WHICH IS				ABOVE PERM DATUM				D.F. G.L.			
					Fluid Type				Fluid Weight				Fluid Level				REMARKS			
									lbs/gal				feet				District doing job: Fort Lupton, CO			
																	Line of Business: Workover			
																	Type of Job:			
CASEDHOLE ENGINEER NAMES				WORK WITNESSED BY NAME												Class: Vert. Domestic				
Meisner, Jacob				Crew 1				Eloy Cossio								District job is in: Fort Lupton, CO				
				Crew 2																
				Crew 3												AFE#:				
				Crew 4												Engineer: Meisner, Jacob				
				Crew 5												MSA#:				
				Crew 6																

2000 2388
1506 1239