



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1062586

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	EOG Resources, Inc.
Well Name	Obrate 33 #1
Doc ID	1062586

All Electric Logs Run

SONIC ARRAY
RESISTIVITY
MICRO
SPECTRAL DENSITY DUAL SPACED NEUTRON

Form	ACO1 - Well Completion
Operator	EOG Resources, Inc.
Well Name	Obrate 33 #1
Doc ID	1062586

Tops

Name	Top	Datum
BASE OF HEEBNER	4139	-1141
LANSING	4218	-1339
MARMATON	4775	-1896
CHEROKEE	4923	-2044
ATOKA	5069	-2190
MORROW	5209	-2330
CHESTER	5371	-2492
ST. LOUIS	5486	-2607

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2853045	Quote #:	Sales Order #: 8159563
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Howard, William	
Well Name: Obrate	Well #: 33-1	API/UWI #:	
Field:	City (SAP): SUBLETTE	County/Parish: Haskell	State: Kansas
Contractor: KENAI	Rig/Platform Name/Num: 58		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DRAKE, BRANDON	Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARRILLO, EDUARDO Carrillo	7	371263	FARNUM, GORDON	7	477892	RODRIGUEZ, EDGAR Alejandro	7	442125
TORRES, CLEMENTE	7	344233						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240236	50 mile	10244148	50 mile	10286731	50 mile	10744298C	50 mile
10866807	50 mile	10988832	50 mile	11133699	50 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5-11-2011	1	2	5-12-2011	6	2			
TOTAL			Total is the sum of each column separately					

Job

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	11 - May - 2011	19:00	CST
Form Type			BHST	Job Started	11 - May - 2011	23:00	CST
Job depth MD	1734. ft		Job Depth TVD	Job Started	12 - May - 2011	03:09	CST
Water Depth			Wk Ht Above Floor	Job Completed	12 - May - 2011	04:34	CST
Perforation Depth (MD)	From		To	Departed Loc	12 - May - 2011	06:10	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Hole				12.25					1700.		
Surface Casing	Unknown		8.625	8.097	24.				1700.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,CSG,TIGER TOOTH,8 5/8 IN 8RD	1	EA		
CLR,FLT,TROPHY SEAL,8-5/8 8RD	1	EA		
AUTOFILL KIT,TROPHY SEAL	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	10	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	2	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	EA		
KIT,HALL WELD-A	2	EA		
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	8 5/8	1	H
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	8 5/8	1	H

Miscellaneous Materials												
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty	Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size	Qty	
Fluid Data												
Stage/Plug #: 1												
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Lead Cement	VARICEM (TM) CEMENT (452009)			300.0	sacks	11.4	2.96	18.14		18.14	
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)										
	0.1 %	WG-17, 50 LB SK (100003623)										
	0.25 lbm	POLY-E-FLAKE (101216940)										
	18.138 Gal	FRESH WATER										
2	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)			200.0	sacks	15.6	1.2	5.22		5.22	
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)										
	0.25 lbm	POLY-E-FLAKE (101216940)										
	5.218 Gal	FRESH WATER										
3	Displacement				105.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes						
Displacement	107	Shut In: Instant			Lost Returns	0	Cement Slurry		201	Pad		
Top Of Cement	2694 Surface	5 Min			Cement Returns	50	Actual Displacement		107	Treatment		
Frac Gradient		15 Min			Spacers	0	Load and Breakdown			Total Job	308	
Rates												
Circulating	6	Mixing		6	Displacement	11	Avg. Job		6			
Cement Left In Pipe	Amount	45 ft	Reason	Shoe Joint								
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID					
The Information Stated Herein Is Correct					Customer Representative Signature							

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2853045	Quote #:	Sales Order #: 8159563
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: Howard, William	
Well Name: Obrate	Well #: 33-1	API/UWI #:	
Field:	City (SAP): SUBLETTE	County/Parish: Haskell	State: Kansas
Legal Description:			
Lat:		Long:	
Contractor: KENAI		Rig/Platform Name/Num: 58	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DRAKE, BRANDON		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/11/2011 19:00							Dispach Called Cement Crew Out For E.O.G. Surface Job On Well Obrate # 33-1 8 5/8 CAG 24 # // In Sublette KS.
Pre-Convoy Safety Meeting	05/11/2011 20:30							Discuss Route to take and Hazards on the road
Arrive At Loc	05/11/2011 21:40							
Assessment Of Location Safety Meeting	05/11/2011 21:45							Rig Was Triping Out Of Hole With Drill Pipe.
Pre-Rig Up Safety Meeting	05/11/2011 21:50							Discused All Red Zones Were To Spot Equipment Run Iron And Water Lines Went Over JSA.
Other	05/11/2011 22:25							Casing Crew At Location
Rig-Up Completed	05/11/2011 22:50							
Wait on Customer or Customer Sub-Contractor Equip	05/11/2011 22:52							Wait on Rig Crew
Other	05/11/2011 22:55							Casing Crew Rigging Up
Other	05/11/2011 23:30							Casing Going In Hole

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Job Safety Meeting	05/12/2011 02:30							Went Over Job Steps With All Went Over Numbers With Customer Rep. Went Over Pump Valumes,Rates,Pressers ,And Stageing Last 20 BBLS Displacement. He Wants Us To Pump CMT @ 6 BPM And 11BPM On Displacment. Have Rig Crew Sing Saftes Sheet.
Start Job	05/12/2011 03:09							Ready for Halliburton
Test Lines	05/12/2011 03:11						2500.0	Test Lines @ 2500 PSI Tested Good.
Pump Lead Cement	05/12/2011 03:14		6	158	158		320.0	Pumped 300 SKS CMT @ 11.4 PPG // 158 BBLS CMT // 888 CU/FT CMT.
Pump Tail Cement	05/12/2011 03:41		6	43	201		255.0	Pumped 200 SKS CMT @ 15.6 PPG // 43 BBLS CMT // 240 CU/FT CMT.
Shutdown	05/12/2011 03:54							
Drop Top Plug	05/12/2011 03:55							HWE
Pump Displacement	05/12/2011 03:57		10	107	308		450.0	Fresh Water Displacement 107 BBLS. Pumped @ 10 BPM Per Customer Rep Slow Downe Last 20 BBLS Stage Inn Pump 5 BBLS Stop For Five MIN. Then Pump 5 BBLS Stop 5 MIN. Per Customer Rep. Got 50 BBLS CMT Returns To Surface.
Slow Rate	05/12/2011 04:11		2	107	308		450.0	Staged Last 20 BBLS Displ @ 2BPM
Bump Plug	05/12/2011 04:26		2	107	308		650.0	Bumped Plug @ 650 Took To 1183 PSI
Check Floats	05/12/2011 04:31							Floats held 1 1/2 bbl Back
End Job	05/12/2011 04:34							
Pre-Rig Down Safety Meeting	05/12/2011 04:50							Discuss Pinchpoint and Triping Hazards

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Completed	05/12/2011 05:50							
Other	05/12/2011 05:55							THANK YOU FOR CHOOSING HALLIBURTON
Crew Leave Location	05/12/2011 06:10							

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2853045	Quote #:	Sales Order #: 8197574
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: KNOX, MIKE	
Well Name: Obrate		Well #: 33-1	API/UWI #:
Field:	City (SAP): SUBLETTE	County/Parish: Haskell	State: Kansas
Contractor: KENAI		Rig/Platform Name/Num: 58	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: DRAKE, BRANDON		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARRILLO, EDUARDO Carrillo	7.0	371263	DEETZ, DONALD E	7.0	389855	GOMEZ, OSCAR	7.0	490448
RODRIGUEZ, EDGAR Alejandro	7.0	442125						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10244148	50 mile	10286731	50 mile	10714253C	50 mile	10988832	50 mile
11133699	50 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5/25/11	7	3						

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD) Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Wk Ht Above Floor	Perforation Depth (MD) From	To	Job Times	Date	Time	Time Zone
	5759. ft		BHST	5759. ft	5759. ft		5. ft			Called Out	25 - May - 2011	08:00	CST
										On Location	25 - May - 2011	10:00	CST
										Job Started	25 - May - 2011	14:15	CST
										Job Completed	25 - May - 2011	15:20	CST
										Departed Loc	25 - May - 2011	17:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Hole				7.875				1700.	5756.		
5.5" Production Casing	Unknown		5.5	4.95	15.5	8 RD (LT&C)	P-110		5756.		
Surface Casing	Unknown		8.625	8.097	24.				1700.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER ASSY - TURBO - API -	20	EA		
CLAMP - LIMIT - 5-1/2 - HINGED -	10	EA		
KIT,HALL WELD-A	1	EA		
PLUG ASSY,3 WIPR LTH-DWN,5 1/2 CSG	1	EA		
BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN	1	EA		
SHOE,FLOAT,5 1/2 8RD,2 3/4 SUPER SEAL	1	EA		
CLR,FLT,5-1/2 8RD,14-23PPF,2-3/4	1	EA		

HALLIBURTON

Cementing Job Summary

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	5.5	1	h
Float Shoe	5.5	1	h	5759	Bridge Plug					Bottom Plug			
Float Collar	5.5	1	h	5668	Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers	5.5	20	h

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	%

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	130.0	sacks	13.5	1.73	8.19		8.19
	6 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	10 %	SALT, 100 LB BAG (100003652)							
	2 lbm	PRESSUR-SEAL LCM, 40 LB (101204356)							
	0.6 %	HALAD(R)-344, 50 LB (100003670)							
	0.5 %	D-AIR 3000 (101007446)							
	0.1 %	WG-17, 50 LB SK (100003623)							
	8.191 Gal	FRESH WATER							
2	Displacement		136.00	bbl	8.33	.0	.0	.0	
3	Rat & Mouse Hole Plug Cement	PLUGCEM (TM) SYSTEM (452969)	50.0	sacks	13.5	1.73	8.19		8.19
	6 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	10 %	SALT, 100 LB BAG (100003652)							
	2 lbm	PRESSUR-SEAL LCM, 40 LB (101204356)							
	0.6 %	HALAD(R)-344, 50 LB (100003670)							
	0.5 %	D-AIR 3000 (101007446)							
	0.1 %	WG-17, 50 LB SK (100003623)							
	8.191 Gal	FRESH WATER							

Calculated Values

Pressures

Volumes

Displacement	134	Shut In: Instant	Lost Returns	0	Cement Slurry	40	Pad	
Top Of Cement	4534	5 Min	Cement Returns	0	Actual Displacement	134	Treatment	
Frac Gradient		15 Min	Spacers	0	Load and Breakdown		Total Job	174

Rates

Circulating	7	Mixing	6	Displacement	8	Avg. Job	7
Cement Left In Pipe	Amount	91 ft	Reason	Shoe Joint			
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID

The Information Stated Herein Is Correct

Customer Representative Signature

M. D. Knopf

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 348223	Ship To #: 2853045	Quote #:	Sales Order #: 8197574
Customer: EOG RESOURCES INC EBUSINESS		Customer Rep: KNOX, MIKE	
Well Name: Obrate	Well #: 33-1	API/UWI #:	
Field:	City (SAP): SUBLETTE	County/Parish: Haskell	State: Kansas
Legal Description:			
Lat:		Long:	
Contractor: KENAI		Rig/Platform Name/Num: 58	
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: DRAKE, BRANDON		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/25/2011 08:00							Dispach Called Cement Crew For E.O.G. Job On Well Obrate 5 1/2 Production Casing Over By Sublette K.S
Pre-Convoy Safety Meeting	05/25/2011 09:00							Discuss Route to take and Hazards on the road
Arrive At Loc	05/25/2011 10:00							
Assessment Of Location Safety Meeting	05/25/2011 10:05							Rig Crew Was Runing In Casing In Hole.
Pre-Rig Up Safety Meeting	05/25/2011 10:15							Discussed All Red Zones Were To Spot In Equipment And Lines At Have A Spoter At All Times Discussed Muster Area Emergency Raouts Were To Go Went Over JSA.
Rig-Up Completed	05/25/2011 11:15							
Other	05/25/2011 11:20							Got Numbers From Costomer Rep Mike Knox // TD = 5756 FT // TP = 5759 FT // SJ = 91.18 // Disp = 134 BBLS Costomer Said To Use 50 LIB Of Suger On Displacment. He Said Theye Were Going To Circulat For 2 HR Once Casing Was On Bottom.
Wait on Customer or Customer Sub-Contractor Equip	05/25/2011 11:25							Wait on Rig Crew

Sold To #: 348223

Ship To #: 2853045

Quote # :

Sales Order #: 8197574

SUMMIT Version: 7.20.130

Wednesday, May 25, 2011 03:32:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bb/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Job Safety Meeting	05/25/2011 13:45							Discussed Job Steps With All Went Over Numbers With Customer Rep Valumes Pressers Pumping Rates Had Rig Crew Sing Saftte Meeting Sheet.
Start Job	05/25/2011 14:15							Ready for Halliburton
Test Lines	05/25/2011 14:16						4000. 0	Hold for 1 minute
Pump Lead Cement	05/25/2011 14:21		6	40	40			Pumped 130 SKS CMT @ 13.5 PPG // 40 BBLs CMT // = 225 CU/FT
Clean Lines	05/25/2011 14:30							
Drop Top Plug	05/25/2011 14:32							HWE
Pump Displacement	05/25/2011 14:34		8	134	174			Pumped 134 BBLs Disp With 50 LIB Of Suger On First 50 BBLs DISPLACEMENT PER COSTOMER REP.
Displ Reached Cmnt	05/25/2011 14:49							
Slow Rate	05/25/2011 14:53							last 15 bbl to 2 bbl min
Bump Plug	05/25/2011 14:59							bumped plug @ 810 took to 1500
Check Floats	05/25/2011 15:01							Floats held 1 bbl Back
Pump Cement	05/25/2011 15:11							Pumped 50 SKS CMT For Rat And Mouse Hole // 15 BBLs CMT // 86.5 CU/FT
End Job	05/25/2011 15:20							
Pre-Rig Down Safety Meeting	05/25/2011 15:30							Discuss Pinchpoint and Triping Hazards
Rig-Down Completed	05/25/2011 16:30							
Crew Leave Location	05/25/2011 17:00							
Other	05/25/2011 17:01							THANK YOU FOR CHOOSING HALLIBURTON

Sold To #: 348223

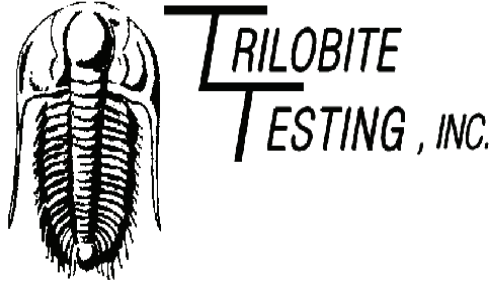
Ship To #: 2853045

Quote #:

Sales Order #: 8197574

SUMMIT Version: 7.20.130

Wednesday, May 25, 2011 03:32:00



DRILL STEM TEST REPORT

Prepared For: **EOG Resources**

3817 NW EXPWY STE500 Oklahoma City
Ok, 73112

ATTN: Mike Knox

33/27s/33w

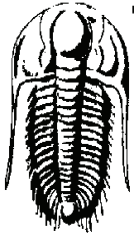
O'Brate #133-1

Start Date: 2011.05.16 @ 00:55:47

End Date: 2011.05.16 @ 18:07:32

Job Ticket #: 42206 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

EOG Resources

O'Brate #133-1

3817 NW EXPWY STE500 Oklahoma City Ok,
73112

33/27s/33w

Job Ticket: 42206

DST#: 1

ATTN: Mike Knox

Test Start: 2011.05.16 @ 00:55:47

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:17:32

Time Test Ended: 18:07:32

Test Type: Conventional Bottom Hole

Tester: Mike Slemp

Unit No: 53

Interval: 5315.00 ft (KB) To 5357.00 ft (KB) (TVD)

Reference Elevations: 2996.00 ft (KB)

Total Depth: 5357.00 ft (KB) (TVD)

2986.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8677

Inside

Press@RunDepth: 485.93 psig @ 5316.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.16

End Date: 2011.05.16

Last Calib.: 2011.05.16

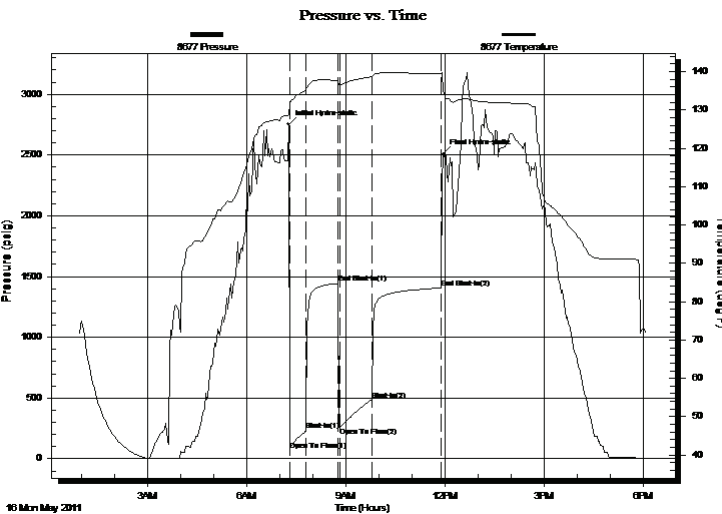
Start Time: 00:55:48

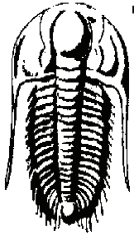
End Time: 18:07:31

Time On Btm: 2011.05.16 @ 07:15:17

Time Off Btm: 2011.05.16 @ 11:56:32

TEST COMMENT: IF- BOB in 2 min
IS- 5 inches blow back
FF- BOB in 1 min, GTS in 10 min TSTM
FSI- 5 inches blow back





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TOOL DIAGRAM

EOG Resources

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Test Start: 2011.05.16 @ 00:55:47

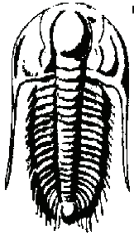
Tool Information

Drill Pipe:	Length: 4940.00 ft	Diameter: 3.80 inches	Volume: 69.30 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 354.00 ft	Diameter: 2.25 inches	Volume: 1.74 bbl	Weight to Pull Loose:	100000.0 lb
			<u>Total Volume: 71.04 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	86000.00 lb
Depth to Top Packer:	5315.00 ft			Final	96000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	71.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5291.00	
Sampler	3.00			5294.00	
Hydraulic tool	5.00			5299.00	
Jars	5.00			5304.00	
Safety Joint	2.00			5306.00	
Packer	5.00			5311.00	29.00 Bottom Of Top Packer
Packer	4.00			5315.00	
Stubb	1.00			5316.00	
Recorder	0.00	8678	Inside	5316.00	
Recorder	0.00	8677	Inside	5316.00	
Perforations	5.00			5321.00	
Change Over Sub	1.00			5322.00	
Drill Pipe	31.00			5353.00	
Change Over Sub	1.00			5354.00	
Bullnose	3.00			5357.00	42.00 Bottom Packers & Anchor

Total Tool Length: 71.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources

O'Brate #133-1

3817 NW EXPWY STE500 Oklahoma City Ok,
73112

33/27s/33w

Job Ticket: 42206

DST#: 1

ATTN: Mike Knox

Test Start: 2011.05.16 @ 00:55:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2490.00	95%oil5%gas	31.703
360.00	95%oil5%gas	5.050

Total Length: 2850.00 ft Total Volume: 36.753 bbl

Num Fluid Samples: 0

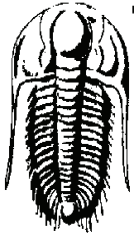
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler- 800 PSI 2000ML oil, 4 cu/ft gas



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DRILL STEM TEST REPORT

GAS RATES

EOG Resources

O'Brate #133-1

3817 NW EXPWY STE500 Oklahoma City Ok,
73112

33/27s/33w

Job Ticket: 42206

DST#: 1

ATTN: Mike Knox

Test Start: 2011.05.16 @ 00:55:47

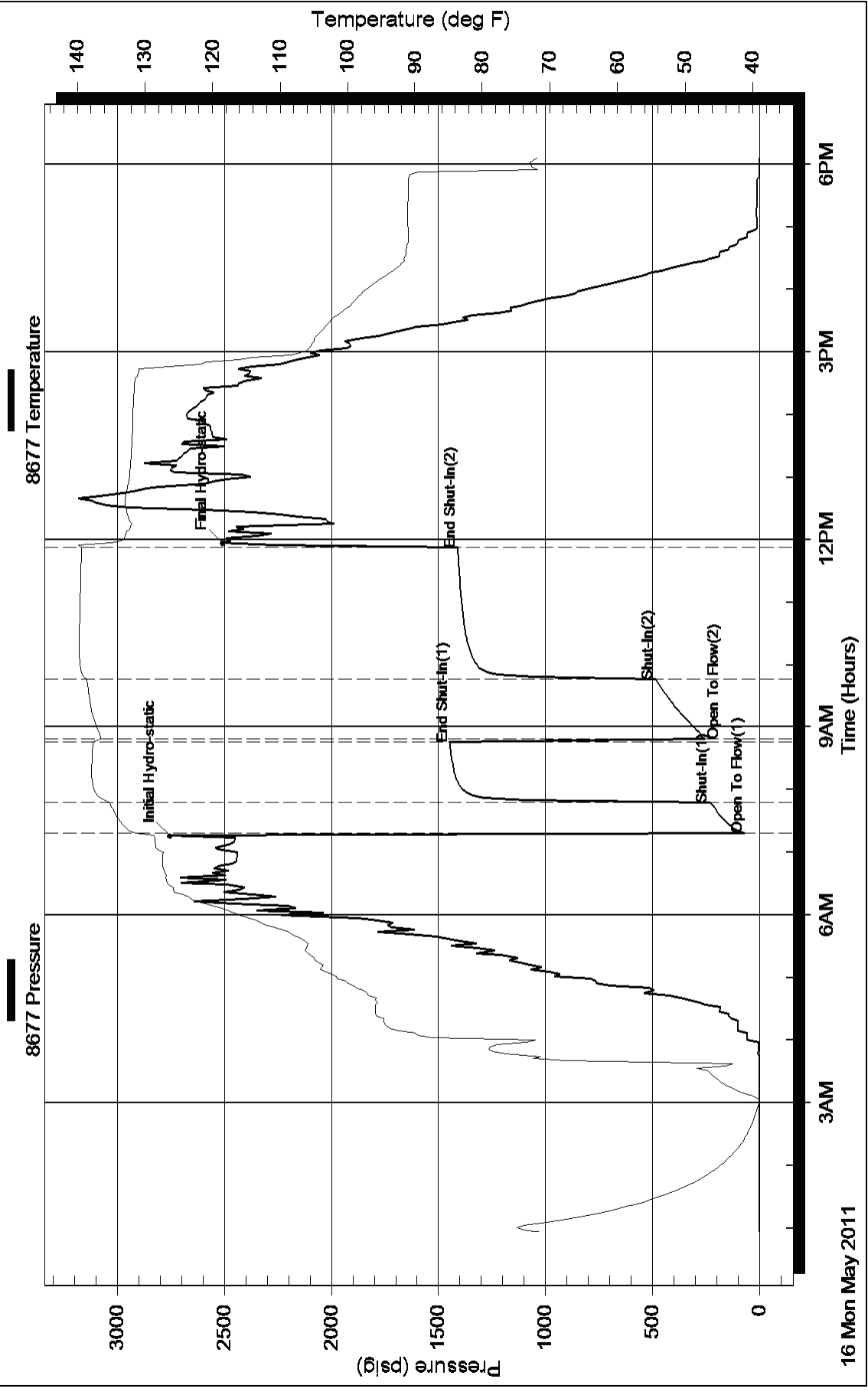
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

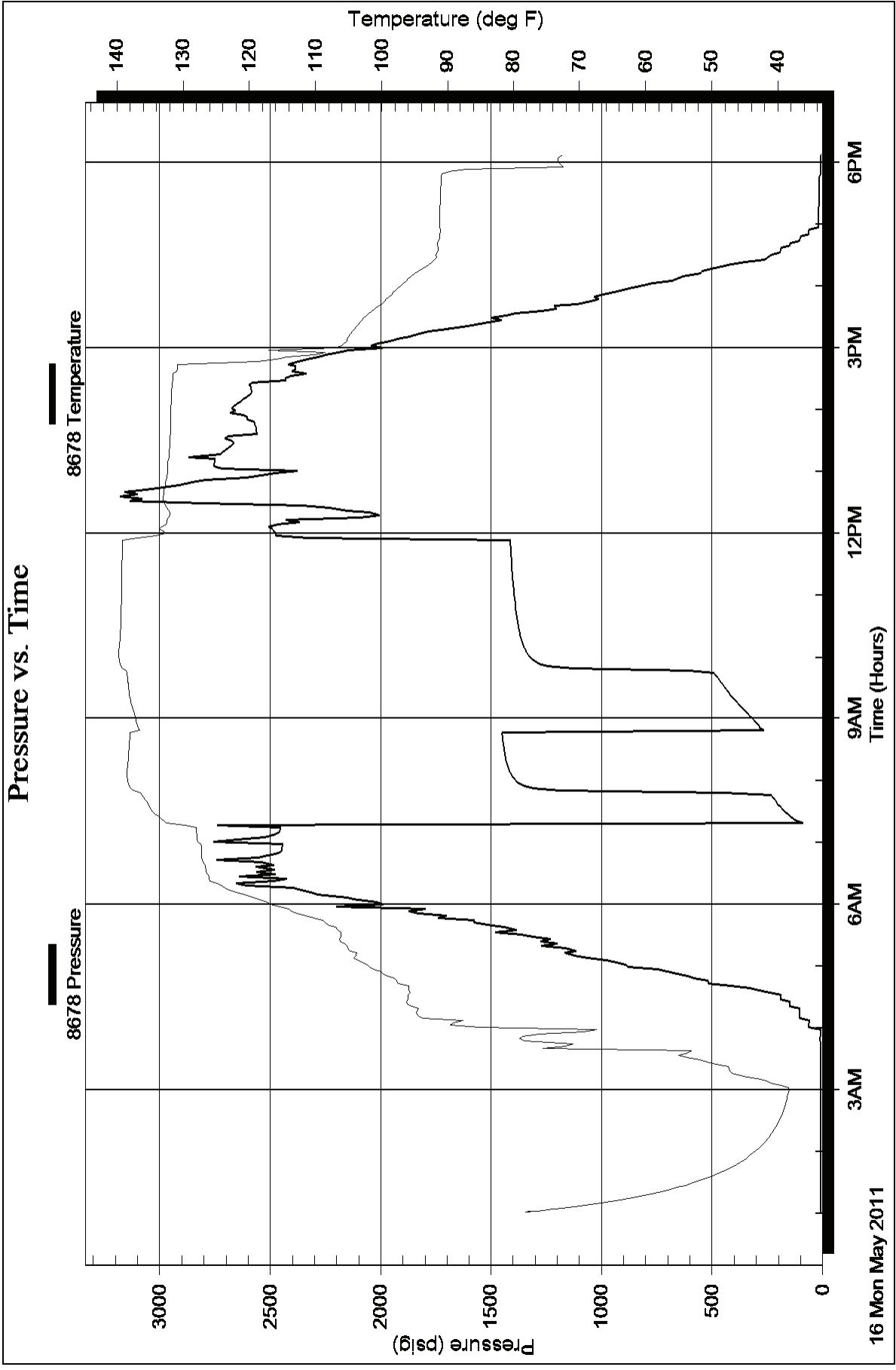
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00

Pressure vs. Time



Pressure vs. Time



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 01, 2011

DAWN ROCKEL
EOG Resources, Inc.
3817 NW EXPRESSWAY STE 500
OKLAHOMA CITY, OK 73112-1483

Re: ACO1
API 15-081-21936-00-00
Obrate 33 #1
SE/4 Sec.33-27S-33W
Haskell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
DAWN ROCKEL