Confidentiality Requested: Yes No

Spud Date or

Recompletion Date

Original Comp. Date: _

Deepening

Plug Back

Commingled

SWD

ENHR GSW

Dual Completion

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1173772

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

__ Feet

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	Sec TwpS. R East West
Address 2: City: State: Zip:+ Contact Person:	Feet from East / West Line of Section Footages Calculated from Nearest Outside Section Corner:
Phone: () CONTRACTOR: License # Name: Wellsite Geologist:	NE NW SE SW GPS Location: Lat:
Purchaser: Designate Type of Completion: New Well Re-Entry Output Output	County Lease Name: Field Name: Producing Formation:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Elevation: Ground: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: ppm Fluid volume: b	bls
 Dewatering method used:	
 Location of fluid disposal if hauled offsite:	
 Operator Name:	
 Lease Name: License #:	

Quarter____ ___ Sec. _____ Twp.____S. R. _____ East __ West Completion Date or County: _ **Recompletion Date** Permit #:

AFFIDAVIT

Original Total Depth: _

Permit #:

Permit #: _____ Permit #: _____

Conv. to Producer

Re-perf. Conv. to ENHR Conv. to SWD

Conv. to GSW

Permit #:

Permit #: ___

Date Reached TD

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
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1173772
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS. Chow important tang of formations ponetrated	Dotail all cores Report all fi	nal copies of drill stoms tests giving interval tested, time teal

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken	aets)	Yes No	L	og Formatio	n (Top), Depth and	d Datum	Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne	w Used rmediate, production	on, 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 / SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment	on this well?		Yes	No (If No, skip	o questions 2 an	d 3)
Does the volume of the tota	l base fluid of the hyd	raulic fracturing treatment ex	ceed 350,000 gallons	? Yes	No (If No, skip	question 3)	
Was the hydraulic fracturing	treatment informatio	n submitted to the chemical o	lisclosure registry?	Yes	No (If No, fill o	out Page Three of	of the ACO-1)

Shots Per Foot		PERFORATION Specify For	I RECOF	RD - Bridge Pl Each Interval P	ugs Set/Typ erforated	e		Acid, Fracture, Shot, C (Amount and Kind	ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner F	Run:	No	
Date of First, Resumed	d Product	ion, SWD or ENHF	۲.	Producing M	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSIT	ION OF (GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sole	d 🗌	Used on Lease		Open Hole	Perf.	Dually (Submit)	Comp. 4 <i>CO-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Aschenbrenner 1-5
Doc ID	1173772

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic

	REMARKS With low relative structural position and no shows of oil, the decision was made to plug and abandon the Ashcenbrenner #1-5.	15-151-22360	OLOGIST'S REPLING TIME AND SAMPL ING TIME AND SAMPL Vildcat vildcat SL & 1799' FEL SL & 1799' FEL STATE KS onm 3600' TO ROM 3600' TO RTD STATE KS P 29S RGE 13W P 29S RGE 13W STATE KS P 10 5000' LTD 5000' TO RTD COMP Chemical Saminial Saminial NUD Chemical Sample Sample P 29S RCE KS P 10 Scool '' TO RTD RVISION FROM 3600' - RTD RTD RTD Sample Sample Sample 4056 (-2102) 4058 (-19 4490 (-236) 4490 (-23 4490 (-2556) 4510 (-23 4490 (-2556) 4510 (-23	Istation Istation Istation COMPANY Shelb LEASE Asch FIELD Asch LOCATION 366' F SEC 5 SEC 5 SEC 5 SEC 5 NUD Pratt CONTRACTOR Ste SPUD Ste NUD VP NUD Ste SAMPLES SAVED FF DRILLING TIME KEP SAMPLES EXAMINE GEOLOGICAL SUPE GEOLOGIST ON WE Heebner Lansing Brown Lime Lansing BKC Marmaton Miss Chert Kinderhook Cht Viola Simpson Sh.
l,		i han ist	an P. Deeni stroleum Geologi	



Ster Time Drilling Company, Kig #4 Weites Geologist Ban Does note, new set 724-006 C/P Source Color Tool Part E-Mail and Differ Phone (20) 072-9506, Fas 972-9506 Part E-Mail and Differ Phone (20) 072-9506, Fas 972-9506 Part E-Mail and Differ Phone (20) 072-9506, Fas 972-9506 Part E-Mail and Differ Phone Phone (20) 072-9506, Fas 972-9506, Fas 972-9506 Part E-Mail and Differ Phone Phone (20) 072-9506, Fas 9505 Part E-Mail and Differ Phone Phone (20) 072-9506, Fas 9505 Part E-Statiant Differ Phone Phone (20) 072-9506, Fas 9500, Phone Phone (20) 072-9506, Phone (20) 072-9506, Phone Phone (20) 072-9506,
Bis 106, Prat, Kanas 6723400, Fax 724006 Ison Deschan WELL NAME Acchembergener #1-5 Mice Revense (02) 724300, Fax 724000 M (02) Foolusion Image: Control of Control
Onter Private (20) 572-806, Fax 572-809 CCATION Nw Se Sw Se Rig # Phone Numbers (Dog House) W Ids [Toolpuster] Section (19) 100
Rig #4 Phone Numbers (Dog House) # Vice: [Production (a) 384-412 Page (Labor (Note) Page (Labor (Not
Status Init Centum Yes Status Caption Endury Capti
USD 38 4985 Geologia Celular Yes Support USD 38 4103 Ted Public Cellular Yes Support 1658 Cole Bird, Suite 205 USD 38 4103 Ted Public Cellular Yes Kene Phone 1658 Cole Bird, Suite 205 USD 38 4103 Starling Bhop Phone/Fax Yes Kene Phone 1658 Cole Bird, Suite 205 Central Knass Asso Starling Bhop Phone/Fax Yes Kene Phone 1658 Cole Bird, Suite 205 Central Knass Asso Suite Core Bird, Suite 205 Suite Core Bird, Suite 205 1658 Cole Bird, Suite 205 Varier Veil difficie 13 32 deep valuer veil. Suite Core Bird, Suite 205 Suite 201 Cuts Test Naite 205 Ord Date: Second Difficient 200 Suite 200 <t< td=""></t<>
Description Test Pretater Cellular Yes Revent Privater Lakewood, CO. 80/01 Contral Kaneas Survey & Mupping ataket location January 28, 2010. Priat Olified called Oligada. Built location August 30th, 2010. on Thursday 92 Kelly's wile wild water wild. Water Weil Water Veil Water Weil Weil Weil Weil Weil Weil Weil Weil
Uggs (17 200 Fax 660 Starting Step Private Virs. Virs. (120) 872-4602 <
Central Kansas Survey & Mapping staked location January 28, 2010. Pratt Olifield called Digade. Built location August 30th. 2010. on Thursday 92 Kelly's providing trash trailer & portable toilets. Suntise will deliver 250° of 13-36° casing. Day 1 Date: 0902/10 Friday Spud In at 3.30 Septiming made spud call on 0902/10 (Mike Maier). Curts Trash Service's providing trash trailer & portable toilets. Suntise will deliver 250° of 13-36° casing. Day 2 Date: 0902/10 Friday Spud In at 4.30 pm Moving off Summer County location at 7 am. Plan to spud this evening. Survey at 260° = 1-1/4 degrees WG at 200° at 7.00 am. Dilied 280° in 24 hours. WG at 200° at 7.00 am. Dilied 280° in 24 hours. Survey at 260° = 1.1/4 degrees WG at 200° at 7.00 am. Dilied 280° in 24 hours. Surdec Bit "A": 17-1/2" RT, made 260° in 20 hours. (130 FPH). Surface Bit "A": 17-1/2" RT, made 260° in 20 hours. (130 FPH). Surface Casin: Surface Casin: Surface Casin: Surface Casin: Surface Casin:
Date: 09:03:/0 Friday Spud in at 4:30 pm Moving off Summer County location at 7 am. Plan to spud this evening. County of Summer County location at 7 am. 09:03:/0 Survey at 260' = 1-1/4 degrees WOC at 260 at 700 am. Dide 20' in 24 hours. Survey at 260' = 1-1/4 degrees Ran 2.00 hours, down 22:00 hours (8:00Move/Rig up, 1:00 Set rathole, 1:25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3:00 Ru/Cemer 1:33'8' carries of the 20' in 24 hours. Surface Bail: .75 CCH/Trip out, 3:00 Ru/Cemer 1:33'8' carries of the 20' in 24 hours. Surface Sanger Surface Casing: Surface Casing: .75 WOCD. Differed Casing: .75 WOCD. Surface Casing: Surface Casing: .71 Mice 2462', sett 3:27 KBBComented with 27:55 sto 0:400 Poz, 2:% Set 3::56 CC B: 1/44 CF; .25 Cemert did circulates. Plug down at 1:21:5 am on 0:90:041.01 by Duality Cementing, licket # 5073. Weided straps on bottom 3 joints, weided next 2 collars. BOP Check: BOP held 500# PSI for 10 minutes Drilling at 2000 at 1:00 am. Drilled 18:00 in 24 hours. BOP Check: BOP held 500# PSI for 10 minutes Drilling at 3080 at ::00 am. Drilled 18:00 in 24 hours. BOP Check: BOP held 500# PSI for 10 minutes Drilling at 3080 at ::00 am. Drilled 18:00 in 24 hours. Cum Mud \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Date: Op/Od/10 Survey at 260* = 1-1/4 degrees WOC at 260 at 700 am. Drilled 260 in 24 hours. Ran 2.00 hours, down 22.00 hours (8.00M/ove/Rig up, 1.00 Set rathole, 1.25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3.00 Run/Coment 13-3/8 casing, 5.78 WOC). Mud Properties: Sput At 4.30 pm on 09/09/10. Drilled 17-1/2* hole to 260°. Ran 6 joints of new 48#. 13-3/8* casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set 32.55, on 2% Pot 0.0004/10 by Quality Commentions, 100 ket # 5073. Datiling at 2080 at 7:00 am. Drilled 1202 in 14 Dours. BOP Check: BOP held 500# PSI for 10 minutes Datiling at 2080 at 7:00 am. Drilled 1200 in 124 hours. Cum Mud \$ \$1,432 Ran 13 7 hours, down 4.25 hours (7.5 Rig check, 2.50 Jet/Commections, 1.00 Displace). Mud Properties: V1.8.8, Wi.4.8, LCM dF; WOB 35,000, PM 80-10.9, PM 80. Drilling at 3845 at 7:00 am. Drilled 7:05 in 24 hours. Ran 12.0 hours (7.5 Rig
WOC at 280 at 7:00 am. Diffed 280' in 24 hours. Ran 20 hours; down 220 hours (8.00%/eVR[R] up 1.00 Set rathole, 1.25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3.00 Run/Cement 13-3/8' casing, 6.75 WOC). Mud Properties: Spud at 4:30 pm on 09/09/10. Drill of 17.10 PH. Surface Bit 7-17 LT /r RT , made 280' in 2.00 hours. (130 FPH). Surface Casing: Surface Casing: Spud at 4:30 pm on 09/09/10. Drill of 17.12' hole to 280. Ran 6 joints of new 48#. 13-3/8'. casing. Cament did circulate. Flug down at 12:15 am on 09/04/10 by Quality Cementing, licket # 5073. Welded straps on bottom 3 joints. welded next 2 collars. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Drilled 1820' in 24 hours. Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 3080 at 7:00 am. Surface Casing: Surface Casing:
Ran 2.00 hours, down 22.00 hours (8.00 Move/Rig up, 1.00 Set rathole, 1.25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3.00 Run/Cement 13-3/8° casing, .75 Move, 1.30 February, 2.00 hours, (130 FPH). Surface Bit 'A': 17-1/2' RT , made 260' in 2.00 hours, (130 FPH). Surface Casing: Surface Casing: Surface Casing: Surface Casing: Surface Casing: Surface 2.4', set at 257 KB. Cemented with 275 sks 60/40 Poz, 2% Gel, 3% CC & 1/4# CF. Cement did circulate. Plua down at 12.15 am on 9504/10 by Quality Cementing, lickel # 5073. Welded straps on bottom 3 joints, welded next 2 collars. Date: 9205/10 Sunday BOP Check: BOP held 500# PSI for 10 minutes Drilling at 2080 at 7:00 am. Drilled 1280 / 124 hours. Ran 15.75 hours, down 8.25 hours (1.50 WOC, .25 Drill plug, 50 Rig check, 6.00 Jet/Connections). Mud Properties: Water Wt -3, Ki vs 28; WOB 20-35,000, RPM 80-120, Pump PSI 750-900, SPM 60. Bit No. 1: New 7-7/8' JC 0X:20.1, <u>SMH0718,</u> (3-155), in at 260, drilled 1.320' in 15.75 hours (3-164, -16, -17, -17/8* 116) Drilling at 2080 at 7:00 am. Drilled 1.000' in 24 hours. Ran 19.75 hours, down 4.25 hours (.75 Rig check, 2.50 Jet/Connections). Mud Properties: Wt -8, Ki +8, CLM 09; WOB 35,000, RPM 80-100, Pump PFasuer 900, SPM 60. Bit No. 1: New 7-7/8' JC 0X:20.1, <u>SMH071918,</u> (3-155), in at 260 drilled 1.2820' in 35.50 hour <u>51</u> < Last 24-ROP- 7-7/8* [19] Cum Mud \$ \$3,282 Drilling at 3080' at 7:00 am. Drilled 1.000' in 24 hours. Ran 19.7 hours, down 3.0 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WI 10.5, pH 10.5, Chl. 2,000, LCM at; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8' JC 0X:20.1, <u>SMH072916</u> , (3-155), in at 260', drilled 3.585' in 56 <u>36</u> < Last 24-ROP- 7-7/8* [53] Cum Mud \$ \$7,330 Drilling at 3955' at 7:00 am. Drilled 550' in 24 hours. Ran 12.5 hours, down 3.07 hours (.75 Rig check, 2.20 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2
Surface Casing: Spad at 4.30 pm on 09/03/10. Drilled 17-1/2' hole to 260'. Ran 6 joints of new 48#.13-38".
Date: 09/05/10 Sunday BOP Check: BOP held 500# PSI for 10 minutes Drilling at 2080* at 7:00 am. Drilled 1820* in 24 hours. State
Diffing at 2080° at 7:00 am. Drilled 1820° in 24 hours. Description Description <thdescription< th=""> <thdescription< th=""> Descripti</thdescription<></thdescription<>
Ran 15.75 hours, down 8.25 hours (1.50 WOC, .25 Drill plug, .50 Rig check, 6.00 Jet/Connections). Mud Properties: Water; Wt. 9.8, Vis 28; WOB 20-35,000, RPM 80-120, Pump PSI 750-900, SPM 60. Bit No. 1: New 7-7/8* JZ QX20J, SNH0791B, (3-15's), in at 260', drilled 1,820 in 15.75 hour116 Cum Mud \$ \$1,432 Drilling at 3080' at 7:00 am. Drilled 1,000' in 24 hours. Ran 19.75 hours, down 4.25 hours (.75 Rig check, 2.50 Jet/connections, 1.00 Displace). Mud Properties: Wt. 88, Vis. 46, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-7/8* JZ QX20J, SNH0791B, (3-15's), in at 260', drilled 2,820' in 35.50 hour
Mud Properties: Water; Wt. 9.8, Vis 28; WOB 20-35,000, RPM 80-120, Pump PS1750-900, SPM 60. Bit No. 1: New 7-7/8' JZ 0X20J, SNH07918, (3-15's), in at 260', drilled 1,820' in 15.75 horu 116 < Last 24-ROP- 7-7/8' 116
Bit No. 1: New 7-7/8" JZ QX201, SNH07918, (3-15's), in at 260', drilled 1,820' in 15.75 hour 116 < Last 24-ROP- 7-7/8"
Date: 09/06/10 Monday Displaced at 2830' Drilling at 3080' at 7:00 am. Drilled 1,000' in 24 hours. Ran 19.75 hours, down 4.25 hours (75 Rig check, 2.50 Jet/connections, 1.00 Displace). Mud Properties: Wt. 8.8, Vis. 46, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918, (3-15's), in at 260', drilled 2,820' in 35.50 hout 51 < Last 24-ROP- 7-7/8" 79
Drilling at 3080' at 7:00 am. Drilled 1,000' in 24 hours. Ran 19.75 hours, down 4.25 hours (.75 Rig check, 2.50 Jet/connections, 1.00 Displace). Mud Properties: Wt. 8.8, Vis. 46, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, <u>SNH07918,</u> (3-15's), in at 260', drilled 2,820' in 35.50 hou 51 < Last 24-ROP- 7-7/8" 79 Cum Mud \$ \$3,292 Drilling at 3845' at 7:00 am. Drilled 765' in 24 hours. Ran 21.00 hours, down 3.00 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, <u>SNH07918,</u> (3-15's), in at 260', drilled 3,585' in 56. 36 < Last 24-ROP- 7-7/8" 63 Drilling at 4395' at 7:00 am. Drilled 55' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, <u>Pump PSI 800/850, SPM 56</u> . Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. Ran 12.25 hours, down 2.75 hours (.75 Rig check, 1.50 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, <u>Pump PSI 800/850, SPM 56</u> . Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', Survey at 4800' = 3/4 degree TH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Ran 15.50 hours, down 8.50 hours (.57 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/YP 12/18, WL 10.0, pH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, <u>Pump PSI 850, SPM 56</u> . Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hour 26 < Last 24-ROP- 7-7/8" 49 Cum Mud \$ \$11,700 Date: 09/09/10 Fr
Ran 19.75 hours, down 4.25 hours (.75 Rig check, 2.50 Jet/connections, 1.00 Displace). Mud Properties: Wt. 8.8, Vis. 46, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, <u>SNH07918</u> . (3-15's), in at 260', drilled 2,820' in 35.50 hou 51 < Last 24-ROP- 7-7/8" 79
Mud Properties: Wt. 8.8, vis. 40, LCM WF, WOB 33,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-78" J2 QX201, SNH07918, (3-15's), in at 260', drilled 2,820' in 35.50 hou 51 < Last 24-ROP- 7-7/8" 79
Date: 09/07/10 Tuesday Dilling at 3845' at 7:00 am. Drilled 765' in 24 hours. Ran 21.00 hours, down 3.00 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918, (3-15's), in at 260', drilled 3,585' in 56. 36 < Last 24-ROP- 7-7/8" 63
Date: Distorning Dilling at 3845' at 7:00 am. Drilled 765' in 24 hours. Ran 21.00 hours, down 3.00 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918. (3-15's), in at 260', drilled 3,585' in 56. 36 < Last 24-ROP- 7-7/8" 53 Cum Mud \$ \$7,330 Day 6 Date: 0.99/08/10 Wednesday Drilling at 4395' at 7:00 am. Drilled 550' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM. Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. Z6 < Last 24-ROP- 7-7/8" 53 Cum Mud \$ \$9,917 Day 7 Date: 0.99/0/10 Thursday Bit trip at 4800'. Survey at 4800' = 3/4 degree Till with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Mud \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Drilling at 3045 at 7.00 attr. Drilled 100 int 24 flotts. Ran 21.00 hours, down 3.00 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918, (3-15's), in at 260', drilled 3,585' in 56. 36 < Last 24-ROP- 7-7/8" 63
Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/P 10/15, WL 10.5, PH 10.5, CH. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918, (3-15's), in at 260', drilled 3,585' in 56. 36 36 < Last 24-ROP- 7-7/8" 63
Bit No. 1: New 7-7/8" JZ QX20J, SNH07918. (3-15's), in at 260', drilled 3,585' in 56. 36 36 Last 24-ROP- 7-7/8" 53 Cum Mud \$ \$7,330 Day 6 Date: 09/08/10 Wednesday Drilling at 4395' at 7:00 am. Drilled 550' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26 Last 24-ROP- 7-7/8" 53 Cum Mud \$ \$9,917 Date: 09/09/10 Thursday Bit trip at 4800'. Survey at 4800' = 3/4 degree TIH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Bit trip at 4800'. Survey at 4800' = 3/4 degree TIH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Bit trip at 4800'. Survey at 4800' = 3/4 degree Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hour 26 Last 24-ROP- 7-7/8" 49 Cum Mud \$ \$11,700 Date: 09/09/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Cum Mud \$ \$11,700 Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' i
Date: 09/08/10 Wednesday Drilling at 4395' at 7:00 am. Drilled 550' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM. Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26 < Last 24-ROP- 7-7/8" 53
Drilling at 4395' at 7:00 am. Drilled 550' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26 < Last 24-ROP- 7-7/8" 53
Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26 < Last 24-ROP- 7-7/8" 53
Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Ch. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26] < Last 24-ROP- 7-7/8" 53
Day 7 Date: 09/09/10 Thursday Bit trip at 4800'. Survey at 4800' = 3/4 degree TIH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Bit trip at 4800'. Survey at 4800' = 3/4 degree Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/VP 12/18, WL 10.0, DH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, Pump PSI 850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hour 26 < Last 24-ROP- 7-7/8" 49
Date: Ogyosyno Philoday Bit unp at 4600*. Survey at 4600 = 3/4 degree TIH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/YP 12/18, WL 10.0, pH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, Pump PSI 850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt. 9.4, Vis. 55, PV/YP 13/14, WL 11.2, PH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56
Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/YP 12/18, WL 10.0, pH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, Pump PSI 850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Association 26 Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt. 9.4, Vis. 55, PV/YP 13/14, WL 11.2, PH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56
Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/YP 12/18, WL 10.0, PH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, Pump PSI 850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Association of the prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. 26 Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). 50 North Trip Prior to trip 0.000, RPM 65-75, Pump Pressure 800, SPM 56 Mud Properties: Chemical Mud: Wt. 9.4, Vis. 55, PV/YP 13/14, WL 11.2, PH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56
Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hour 26 Last 24-ROP- 7-7/8" 49 Cum Mud \$ \$11,700 Day 8 Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt 9.4, Vis. 55, PV/YP 13/14, WL 11.2, PH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56 Pit No. 21, PB 7, 7/8" HEC CT44(0. (4 16)) in at 4800', drilled 300' in 44 56 hours
Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. The second secon
Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt 9.4, Vis. 55, PV/YP 13/14, WL 11.2, pH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56 Pit No. 31, PB 7, 76 ^W HTC CT440, (.4 56)) is of 4000' is 14.05 hours.
Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt 9.4, Vis. 55, PV/VP 13/14, WL 11.2, pH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56
DILINO. 2. KK /-//0 110 0144C, (3-10 S), IN AL 4800, ATILIED 200 IN 19.25 NOURS. 10 < LAST 24-KUP- /-//6 42 [Cum Mud \$ \$12,959]
Day 9 Date: 09/11/10 Saturday RTD=5000', No Survey at 5000'. LTD= 5000'.
Tearing down at 5000' at 7:00 am after plugging. Drilled 0' in 24 hours.
Ran 0.00 hours, down 24.00 hours (1.25 S-trip, 2.75 Logging, 1.50 WOO, 1.00 BOP, 4.00 Tripping, 4.50 LDDP, 1.00 LD rh/mh, 1.50 Plugging, .75 Jet pits, 5.75 Tear
Frugging Data: [Cum Mud \$ \$13,750]
Drilled 7-7/8" hole to 5000' Heavy mud in hole. Did not drill Arbuckle. First plug at 750' w/ 50 ske

60/40 POZ. 4% Gel & 1/4# Floseal. Plugging complete at 12:30 am on 9/11/10. Quality Cementing ticket #5033. Received plugging orders on 9/9/10 (Mike Maier). Sterling reported to KCC on 9/13/10 (Michelle Pennington).

Water Well Total = 7,000 BBL

We will put water well on list to be plugged by Kelly's Water Well Service if the landowner doesn't want it.

Ster Time Drilling Company, Kig #4 Weites Geologist Ban Does note, new set 724-006 C/P Source Color Tool Part E-Mail and Differ Phone (20) 072-9506, Fas 972-9506 Part E-Mail and Differ Phone (20) 072-9506, Fas 972-9506 Part E-Mail and Differ Phone (20) 072-9506, Fas 972-9506 Part E-Mail and Differ Phone Phone (20) 072-9506, Fas 972-9506, Fas 972-9506 Part E-Mail and Differ Phone Phone (20) 072-9506, Fas 9505 Part E-Mail and Differ Phone Phone (20) 072-9506, Fas 9505 Part E-Statiant Differ Phone Phone (20) 072-9506, Fas 9500, Phone Phone (20) 072-9506, Phone (20) 072-9506, Phone Phone (20) 072-9506,
Bis 106, Prat, Kanas 6723400, Fax 724006 Ison Deschan WELL NAME Acchembergener #1-5 Mice Revense (02) 724300, Fax 724000 M (02) Foolusion Image: Control of Control
Onter Private (20) 572-806, Fax 572-809 CCATION Nw Se Sw Se Rig # Phone Numbers (Dog House) W Ids [Toolpuster] Section (19) 100
Rig #4 Phone Numbers (Dog House) # Vice: [Production (a) 384-412 Page (Labor (Note) Page (Labor (Not
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USD 38 4985 Geologia Celular Yes Support USD 38 4103 Ted Public Cellular Yes Support 1658 Cole Bird, Suite 205 USD 38 4103 Ted Public Cellular Yes Kene Phone 1658 Cole Bird, Suite 205 USD 38 4103 Starling Bhop Phone/Fax Yes Kene Phone 1658 Cole Bird, Suite 205 Central Knass Asso Starling Bhop Phone/Fax Yes Kene Phone 1658 Cole Bird, Suite 205 Central Knass Asso Suite Core Bird, Suite 205 Suite Core Bird, Suite 205 1658 Cole Bird, Suite 205 Varier Veil difficie 13 32 deep valuer veil. Suite Core Bird, Suite 205 Suite 201 Cuts Test Naite 205 Ord Date: Second Difficient 200 Suite 200 <t< td=""></t<>
Description Test Pretater Cellular Yes Revent Privater Lakewood, CO. 80/01 Contral Kaneas Survey & Mupping ataket location January 28, 2010. Priat Olified called Oligada. Built location August 30th, 2010. on Thursday 92 Kelly's wile wild water wild. Water Weil Water Veil Water Weil Weil Weil Weil Weil Weil Weil Weil
Uggs (17 200 Fax 660 Starting Step Private Virs. Virs. (120) 872-4602 <
Central Kansas Survey & Mapping staked location January 28, 2010. Pratt Olifield called Digade. Built location August 30th. 2010. on Thursday 92 Kelly's providing trash trailer & portable toilets. Suntise will deliver 250° of 13-36° casing. Day 1 Date: 0902/10 Friday Spud In at 3.30 Septiming made spud call on 0902/10 (Mike Maier). Curts Trash Service's providing trash trailer & portable toilets. Suntise will deliver 250° of 13-36° casing. Day 2 Date: 0902/10 Friday Spud In at 4.30 pm Moving off Summer County location at 7 am. Plan to spud this evening. Survey at 260° = 1-1/4 degrees WG at 200° at 7.00 am. Dilied 280° in 24 hours. WG at 200° at 7.00 am. Dilied 280° in 24 hours. Survey at 260° = 1.1/4 degrees WG at 200° at 7.00 am. Dilied 280° in 24 hours. Surdec Bit "A": 17-1/2" RT, made 260° in 20 hours. (130 FPH). Surface Bit "A": 17-1/2" RT, made 260° in 20 hours. (130 FPH). Surface Casin: Surface Casin: Surface Casin: Surface Casin: Surface Casin:
Date: 09:03:/0 Friday Spud in at 4:30 pm Moving off Summer County location at 7 am. Plan to spud this evening. County of Summer County location at 7 am. 09:03:/0 Survey at 260' = 1-1/4 degrees WOC at 260 at 700 am. Dide 20' in 24 hours. Survey at 260' = 1-1/4 degrees Ran 2.00 hours, down 22:00 hours (8:00Move/Rig up, 1:00 Set rathole, 1:25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3:00 Ru/Cemer 1:33'8' carries of the 20' in 24 hours. Surface Bail: .75 CCH/Trip out, 3:00 Ru/Cemer 1:33'8' carries of the 20' in 24 hours. Surface Sanger Surface Casing: Surface Casing: .75 WOCD. Differed Casing: .75 WOCD. Surface Casing: Surface Casing: .71 Mice 2462', sett 3:27 KBBComented with 27:55 sto 0:400 Poz, 2:% Set 3::56 CC B: 1/44 CF; .25 Cemert did circulates. Plug down at 1:21:5 am on 0:90:041.01 by Duality Cementing, licket # 5073. Weided straps on bottom 3 joints, weided next 2 collars. BOP Check: BOP held 500# PSI for 10 minutes Drilling at 2000 at 1:00 am. Drilled 18:00 in 24 hours. BOP Check: BOP held 500# PSI for 10 minutes Drilling at 3080 at ::00 am. Drilled 18:00 in 24 hours. BOP Check: BOP held 500# PSI for 10 minutes Drilling at 3080 at ::00 am. Drilled 18:00 in 24 hours. Cum Mud \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Date: Op/Od/10 Survey at 260* = 1-1/4 degrees WOC at 260 at 700 am. Drilled 260 in 24 hours. Ran 2.00 hours, down 22.00 hours (8.00M/ove/Rig up, 1.00 Set rathole, 1.25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3.00 Run/Coment 13-3/8 casing, 5.78 WOC). Mud Properties: Sput At 4.30 pm on 09/09/10. Drilled 17-1/2* hole to 260°. Ran 6 joints of new 48#. 13-3/8* casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set at 257 KB. Commented with 275 sets 60/40 Poz, 2% Get, 3% CC & 1/4# CF, Casing. Tailed 248.24, set 32.55, on 2% Pot 0.0004/10 by Quality Commentions, 100 ket # 5073. Datiling at 2080 at 7:00 am. Drilled 1202 in 14 Dours. BOP Check: BOP held 500# PSI for 10 minutes Datiling at 2080 at 7:00 am. Drilled 1200 in 124 hours. Cum Mud \$ \$1,432 Ran 13 7 hours, down 4.25 hours (7.5 Rig check, 2.50 Jet/Commections, 1.00 Displace). Mud Properties: V1.8.8, Wi.4.8, LCM dF; WOB 35,000, PM 80-10.9, PM 80. Drilling at 3845 at 7:00 am. Drilled 7:05 in 24 hours. Ran 12.0 hours (7.5 Rig
WOC at 280 at 7:00 am. Diffed 280' in 24 hours. Ran 20 hours; down 220 hours (8.00%/eVR[R] up 1.00 Set rathole, 1.25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3.00 Run/Cement 13-3/8' casing, 6.75 WOC). Mud Properties: Spud at 4:30 pm on 09/09/10. Drill of 17.10 PH. Surface Bit 7-17 LT /r RT , made 280' in 2.00 hours. (130 FPH). Surface Casing: Surface Casing: Spud at 4:30 pm on 09/09/10. Drill of 17.12' hole to 280. Ran 6 joints of new 48#. 13-3/8'. casing. Cament did circulate. Flug down at 12:15 am on 09/04/10 by Quality Cementing, licket # 5073. Welded straps on bottom 3 joints. welded next 2 collars. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Drilled 1820' in 24 hours. Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 2080' at 7:00 am. Surface Casing: Surface Casing: Drilling at 3080 at 7:00 am. Surface Casing: Surface Casing:
Ran 2.00 hours, down 22.00 hours (8.00 Move/Rig up, 1.00 Set rathole, 1.25 Jet/Connections, .75 Circulate/Short trip to bit, .75 CCH/Trip out, 3.00 Run/Cement 13-3/8° casing, .75 Move, 1.30 February, 2.00 hours, (130 FPH). Surface Bit 'A': 17-1/2' RT , made 260' in 2.00 hours, (130 FPH). Surface Casing: Surface Casing: Surface Casing: Surface Casing: Surface Casing: Surface 2.4', set at 257 KB. Cemented with 275 sks 60/40 Poz, 2% Gel, 3% CC & 1/4# CF. Cement did circulate. Plua down at 12.15 am on 9504/10 by Quality Cementing, lickel # 5073. Welded straps on bottom 3 joints, welded next 2 collars. Date: 9205/10 Sunday BOP Check: BOP held 500# PSI for 10 minutes Drilling at 2080 at 7:00 am. Drilled 1280 / 124 hours. Ran 15.75 hours, down 8.25 hours (1.50 WOC, .25 Drill plug, 50 Rig check, 6.00 Jet/Connections). Mud Properties: Water Wt -3, Ki vs 28; WOB 20-35,000, RPM 80-120, Pump PSI 750-900, SPM 60. Bit No. 1: New 7-7/8' JC 0X:20.1, <u>SMH0718,</u> (3-155), in at 260, drilled 1.320' in 15.75 hours (3-164, -16, -17, -17/8* 116) Drilling at 2080 at 7:00 am. Drilled 1.000' in 24 hours. Ran 19.75 hours, down 4.25 hours (.75 Rig check, 2.50 Jet/Connections). Mud Properties: Wt -8, Ki +8, CLM 09; WOB 35,000, RPM 80-100, Pump PFasuer 900, SPM 60. Bit No. 1: New 7-7/8' JC 0X:20.1, <u>SMH071918,</u> (3-155), in at 260 drilled 1.2820' in 35.50 hour <u>51</u> < Last 24-ROP- 7-7/8* [19] Cum Mud \$ \$3,282 Drilling at 3080' at 7:00 am. Drilled 1.000' in 24 hours. Ran 19.7 hours, down 3.0 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WI 10.5, pH 10.5, Chl. 2,000, LCM at; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8' JC 0X:20.1, <u>SMH072916</u> , (3-155), in at 260', drilled 3.585' in 56 <u>36</u> < Last 24-ROP- 7-7/8* [53] Cum Mud \$ \$7,330 Drilling at 3955' at 7:00 am. Drilled 550' in 24 hours. Ran 12.5 hours, down 3.07 hours (.75 Rig check, 2.20 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2
Surface Casing: Spad at 4.30 pm on 09/03/10. Drilled 17-1/2' hole to 260'. Ran 6 joints of new 48#.13-38".
Date: 09/05/10 Sunday BOP Check: BOP held 500# PSI for 10 minutes Drilling at 2080* at 7:00 am. Drilled 1820* in 24 hours. State
Diffing at 2080° at 7:00 am. Drilled 1820° in 24 hours. Description Description <thdescription< th=""> <thdescription< th=""> Descripti</thdescription<></thdescription<>
Ran 15.75 hours, down 8.25 hours (1.50 WOC, .25 Drill plug, .50 Rig check, 6.00 Jet/Connections). Mud Properties: Water; Wt. 9.8, Vis 28; WOB 20-35,000, RPM 80-120, Pump PSI 750-900, SPM 60. Bit No. 1: New 7-7/8* JZ QX20J, SNH0791B, (3-15's), in at 260', drilled 1,820 in 15.75 hour116 Cum Mud \$ \$1,432 Drilling at 3080' at 7:00 am. Drilled 1,000' in 24 hours. Ran 19.75 hours, down 4.25 hours (.75 Rig check, 2.50 Jet/connections, 1.00 Displace). Mud Properties: Wt. 88, Vis. 46, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-7/8* JZ QX20J, SNH0791B, (3-15's), in at 260', drilled 2,820' in 35.50 hour
Mud Properties: Water; Wt. 9.8, Vis 28; WOB 20-35,000, RPM 80-120, Pump PS1750-900, SPM 60. Bit No. 1: New 7-7/8' JZ 0X20J, SNH07918, (3-15's), in at 260', drilled 1,820' in 15.75 horu 116 < Last 24-ROP- 7-7/8' 116
Bit No. 1: New 7-7/8" JZ QX201, SNH07918, (3-15's), in at 260', drilled 1,820' in 15.75 hour 116 < Last 24-ROP- 7-7/8"
Date: 09/06/10 Monday Displaced at 2830' Drilling at 3080' at 7:00 am. Drilled 1,000' in 24 hours. Ran 19.75 hours, down 4.25 hours (75 Rig check, 2.50 Jet/connections, 1.00 Displace). Mud Properties: Wt. 8.8, Vis. 46, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918, (3-15's), in at 260', drilled 2,820' in 35.50 hout 51 < Last 24-ROP- 7-7/8" 79
Drilling at 3080' at 7:00 am. Drilled 1,000' in 24 hours. Ran 19.75 hours, down 4.25 hours (.75 Rig check, 2.50 Jet/connections, 1.00 Displace). Mud Properties: Wt. 8.8, Vis. 46, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, <u>SNH07918,</u> (3-15's), in at 260', drilled 2,820' in 35.50 hou 51 < Last 24-ROP- 7-7/8" 79 Cum Mud \$ \$3,292 Drilling at 3845' at 7:00 am. Drilled 765' in 24 hours. Ran 21.00 hours, down 3.00 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, <u>SNH07918,</u> (3-15's), in at 260', drilled 3,585' in 56. 36 < Last 24-ROP- 7-7/8" 63 Drilling at 4395' at 7:00 am. Drilled 55' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, <u>Pump PSI 800/850, SPM 56</u> . Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. Ran 12.25 hours, down 2.75 hours (.75 Rig check, 1.50 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, <u>Pump PSI 800/850, SPM 56</u> . Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', Survey at 4800' = 3/4 degree TH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Ran 15.50 hours, down 8.50 hours (.57 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/YP 12/18, WL 10.0, pH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, <u>Pump PSI 850, SPM 56</u> . Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hour 26 < Last 24-ROP- 7-7/8" 49 Cum Mud \$ \$11,700 Date: 09/09/10 Fr
Ran 19.75 hours, down 4.25 hours (.75 Rig check, 2.50 Jet/connections, 1.00 Displace). Mud Properties: Wt. 8.8, Vis. 46, LCM 0#; WOB 35,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, <u>SNH07918.</u> (3-15's), in at 260', drilled 2,820' in 35.50 hou 51 < Last 24-ROP- 7-7/8" 79
Mud Properties: Wt. 8.8, vis. 40, LCM WF, WOB 33,000, RPM 80-100, Pump Pressure 900, SPM 60. Bit No. 1: New 7-78" J2 QX201, SNH07918, (3-15's), in at 260', drilled 2,820' in 35.50 hou 51 < Last 24-ROP- 7-7/8" 79
Date: 09/07/10 Tuesday Dilling at 3845' at 7:00 am. Drilled 765' in 24 hours. Ran 21.00 hours, down 3.00 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918, (3-15's), in at 260', drilled 3,585' in 56. 36 < Last 24-ROP- 7-7/8" 63
Date: Distorning Drilling at 3845' at 7:00 am. Drilled 765' in 24 hours. Ran 21.00 hours, down 3.00 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918. (3-15's), in at 260', drilled 3,585' in 56. 36 < Last 24-ROP- 7-7/8" 53
Drilling at 3045 at 7.00 attr. Drilled 100 int 24 flotts. Ran 21.00 hours, down 3.00 hours (.75 Rig check, 2.25 Jet/Connections). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/YP 10/15, WL 10.5, pH 10.5, Chl. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918, (3-15's), in at 260', drilled 3,585' in 56. 36 < Last 24-ROP- 7-7/8" 63
Mud Properties: Chemical Mud: Wt. 9.2, Vis. 44, PV/P 10/15, WL 10.5, PH 10.5, CH. 2,000, LCM o#; WOB 35,000, RPM 75-90, Pump PSI 1000, SPM 60. Bit No. 1: New 7-7/8" JZ QX20J, SNH07918, (3-15's), in at 260', drilled 3,585' in 56. 36 36 < Last 24-ROP- 7-7/8" 63
Bit No. 1: New 7-7/8" JZ QX20J, SNH07918. (3-15's), in at 260', drilled 3,585' in 56. 36 36 Last 24-ROP- 7-7/8" 53 Cum Mud \$ \$7,330 Day 6 Date: 09/08/10 Wednesday Drilling at 4395' at 7:00 am. Drilled 550' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26 Last 24-ROP- 7-7/8" 53 Cum Mud \$ \$9,917 Date: 09/09/10 Thursday Bit trip at 4800'. Survey at 4800' = 3/4 degree TIH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Bit trip at 4800'. Survey at 4800' = 3/4 degree TIH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Bit trip at 4800'. Survey at 4800' = 3/4 degree Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hour 26 Last 24-ROP- 7-7/8" 49 Cum Mud \$ \$11,700 Date: 09/09/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Cum Mud \$ \$11,700 Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' i
Date: 09/08/10 Wednesday Drilling at 4395' at 7:00 am. Drilled 550' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM. Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26 < Last 24-ROP- 7-7/8" 53
Drilling at 4395' at 7:00 am. Drilled 550' in 24 hours. Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26 < Last 24-ROP- 7-7/8" 53
Ran 21.25 hours, down 2.75 hours (.75 Rig check, 2.00 Jet/Conn). Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Chl. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26 < Last 24-ROP- 7-7/8" 53
Mud Properties: Chemical Mud: Wt. 9.2, Vis. 48, PV/YP 12/16, WL 11.2, pH 11.0, Ch. 6,000, LCM 3#; WOB 35,000, 70/80 RPM, Pump PSI 800/850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', drilled 4,135' in 77.75 hours. 26] < Last 24-ROP- 7-7/8" 53
Day 7 Date: 09/09/10 Thursday Bit trip at 4800'. Survey at 4800' = 3/4 degree TIH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Bit trip at 4800'. Survey at 4800' = 3/4 degree Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/VP 12/18, WL 10.0, DH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, Pump PSI 850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hour 26 < Last 24-ROP- 7-7/8" 49
Date: Ogyosyno Philoday Bit unp at 4600*. Survey at 4600 = 3/4 degree TIH with bit No. 2 at 4800' at 7:00 am. Drilled 405' in 24 hours. Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/YP 12/18, WL 10.0, pH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, Pump PSI 850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt. 9.4, Vis. 55, PV/YP 13/14, WL 11.2, PH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56
Ran 15.50 hours, down 8.50 hours (.75 Rig check, 1.50 Jet/Conn, 1.00 CFS at 4800', 1.00 CCH prior to bit trip, 4.25 TOOH). Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/YP 12/18, WL 10.0, pH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, Pump PSI 850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Association of the prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt. 9.4, Vis. 55, PV/YP 13/14, WL 11.2, PH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56
Mud Properties: Chemical Mud: Wt. 9.1, Vis. 51, PV/YP 12/18, WL 10.0, PH 9.0, Chl. 5,000, LCM 3#; WOB 35,000, RPM 65-80, Pump PSI 850, SPM 56. Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Last 24-ROP- 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Last 24-ROP- 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Last 24-ROP- 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hou 26 Last 24-ROP- 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 200' in 24 hours. 8 Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. 8 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt. 9.4, Vis. 55, PV/YP 13/14, WL 11.2, PH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56 Bit No. 21 RDB 74 76" WTG C744(c) (4 45'a) in 44 05 hours Chit Second 4, 200,000, RPM 65-75, Pump Pressure 800, SPM 56
Bit No. 1: New 7-7/8" JZ QX20J (3-15's), in at 260', out at 4800', drilled 4,540' in 93.25 hour 26 Last 24-ROP- 7-7/8" 49 Cum Mud \$ \$11,700 Day 8 Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt 9.4, Vis. 55, PV/YP 13/14, WL 11.2, PH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56 Pit No. 21, PB 7, 7/8" HEC CT44(0. (4 16)) is of 4000' in 10.45 hours, for the full of 200' in 10.45 hour
Date: 09/10/10 Friday RTD=5000' Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. The second secon
Making short trip prior to trip out for logs at 5000' RTD at 7 am. Drilled 200' in 24 hours. Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt 9.4, Vis. 55, PV/YP 13/14, WL 11.2, pH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56 Pit No. 31, PDR 7. 76 ^W HCC CT440, (24 SP) is of 4000' is 14.05 hours.
Ran 19.25 hours, down 4.75 hours (.50 Trip In Hole, 1.00 CCH after bit trip, .50 Rig check, 1.25 Jet & Connections, 1.00 CFS at 5000', .50 Short trip). Mud Properties: Chemical Mud: Wt 9.4, Vis. 55, PV/VP 13/14, WL 11.2, pH 10.0, Chl. 5,000, LCM 3#; WOB 38-40,000, RPM 65-75, Pump Pressure 800, SPM 56
DILINO. 2. KK /-//0 110 0144C, (3-10 S), IN AL 4800, ATILIED 200 IN 19.25 NOURS. 10 < LAST 24-KUP- /-//6 42 [Cum Mud \$ \$12,959]
Day 9 Date: 09/11/10 Saturday RTD=5000', No Survey at 5000'. LTD= 5000'.
Tearing down at 5000' at 7:00 am after plugging. Drilled 0' in 24 hours.
Ran 0.00 hours, down 24.00 hours (1.25 S-trip, 2.75 Logging, 1.50 WOO, 1.00 BOP, 4.00 Tripping, 4.50 LDDP, 1.00 LD rh/mh, 1.50 Plugging, .75 Jet pits, 5.75 Tear
Frugging Data: [Cum Mud \$ \$13,750]
Drilled 7-7/8" hole to 5000' Heavy mud in hole. Did not drill Arbuckle. First plug at 750' w/ 50 ske

60/40 POZ. 4% Gel & 1/4# Floseal. Plugging complete at 12:30 am on 9/11/10. Quality Cementing ticket #5033. Received plugging orders on 9/9/10 (Mike Maier). Sterling reported to KCC on 9/13/10 (Michelle Pennington).

Water Well Total = 7,000 BBL

We will put water well on list to be plugged by Kelly's Water Well Service if the landowner doesn't want it.