

Kansas Corporation Commission Oil & Gas Conservation Division

1061305

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

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:										

Side Two



Operator Name:			Lease Name: Well #:										
Sec Twp	S. R	East	West	County:									
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid								
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample			
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum			
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No										
List All E. Logs Run:													
		Report all	CASING I		New	Used mediate, producti	on, etc.						
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives			
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD							
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives					
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth			
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:							
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0					
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity			
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:			
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually (nmingled mit ACO-4)						

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Robert Nickelson 1-27
Doc ID	1061305

All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Neutron / Density

SWIFT Services, Inc. **JOB LOG** DATE 7-28-11 PAGE NO. GUSTOMER DOWNZING "NELSON WELL NO. ROBERT NICHOLSON 5/2" 2-STAGE LOST. TICKET NO. 21005 CHART NO. PUMPS PRESSURE (PSI) RATE (BPM) VOLUME (BBL) (GAL) TIME DESCRIPTION OF OPERATION AND MATERIALS TUBING CASING 1030 COSTADO LOCATEDO 1130 START 51/2" CASZUG ZW WELL 711-4/05 SETE 4105 7P-4105 5/2 414 15-22 CENTRALIZES-1,3,5,8,10,12,14,48 CMT BSKTS - 49 DU 7006 e 2083 94 # TE 40T 1300 DROP BALL - CZOCULATE RODATE 1325 12 450 PUMP 500 GAL MUSTUSH 11 450 PUMP 20 BBW - KCL FLUSH 1327 20 13 41/2 1335 36 250 mx 150 sus EA-2 e 15.5 PAG * 1 1343 WASH OUT PUMP , LINES 1344 RELEASE 1° STAGE CATCH DOWN PLUG 1345 0 DISPLACE PULL 11 90 7 600 SHUT OFF ROTATIVE 6/2 99.6 1400 1500 PWG DOWN - PST WATCH IN PWG 1402 OK RELEASE PST - HELD 1405 Dead Draced and dogg 1415 1/00 OPW DV - CARCULATE 350 PUMP 20 BBLS KCL-FLUSH 1420 20 1425 7-5 PWGRH-MH (30sis - 20sxx 1430 103 250 MX 185 SKS SMD = 11.2 PAG 1445 23CJJ - EMUP TUO HEAW 1447 RELEASE DV CLOSS PLUG 1450 O DISPLACE PLUG 4 1500 PWG DOWN - PSTUP CLOSS DUTOOL 1500 8.02 1502 OK RELEASE PST- HELD CORCULATED 20 SKS COMPUT TO PET WASH TRUCK 1530 JOB COMPLETE THANK YOU WAWE JOSH F. ROB

ALLIED CEMENTING CO., LLC. 035795 Federal Tax 1.D.# 20-5975804

REMIT TO	P.O. BOX 31
	RUSSELL, KANSAS 67665

SIGNATURE _

REMIT TO P.O. B RUSS	OX 31 ELL, KAN	ISAS 676	65		SER	VICE POINT: PUSSE/	1,45
DATE 7-22-11	SEC.	TWP ₇	RANGE 24	CALLED OUT	ON LOCATION	JOB START 5'00pm	JOB FINISH
LEASE Nickelson	WELL#	1-27	LOCATION (L)	akeeney 10	acth to	COUNTY	STATE
OLD OR NEW (Ci	rete one)	<u>~/_</u>	Red Line		Einlo	Gerain	1 /6/
	-	10 L ()	rilling #1	OWNER	LIFFIC	_	
TYPE OF JOB 5	urfac	p 7	· · · · · · · · · · · · · · · · · · ·	OWINER	· · · · · · · · · · · · · · · · · · ·		•
HOLE SIZE		T.D	. 221	CEMENT			
CASING SIZE 8	5/8		PTH 221,10	AMOUNT O	RDERED 150	SX Col	m
TUBING SIZE		DE	PTH	3%	CC 2%	brel	, mili
DRILL PIPE		DE	PTH ·			<u> </u>	
TOOL	T	DE	PTH				10.1
PRES. MAX			NIMUM	COMMON_	150	@ <i>/6,25</i> ^	2437.50
MEAS. LINE			OE JOINT	POZMIX			
CEMENT LEFT IN	CSG.	15-4+		GEL		@ <i>&], 25</i>	63.75
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	HELPER	Todes		<u> </u>			
BULK TRUCK			<u>.</u>			@ .	
	DRIVER	Nick	(· @	
BULK TRUCK				•			•
#	DRIVER			- HANDLING	158	, @2.25	355.50
				MILEAGE_		-/e	869,00
111	REA	MARKS:				TOTAL	4016.75
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Run 5)	loints Lation	08 6					//257W
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Run 5)	lation aith	- Mil	d Pump	DEPTH OF J PUMPTRUC EXTRA FOO MILEAGE MANIFOLD	OB : CK CHARGE TAGE	ICE	//257w
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Marc Downing
Consulting Petroleum Geologist
1411 Washington Circle
Hays, Ks 67601
Phone: 620-428-1356 (cell) 785-621-2286

GEOLOGIC REPORT LOG

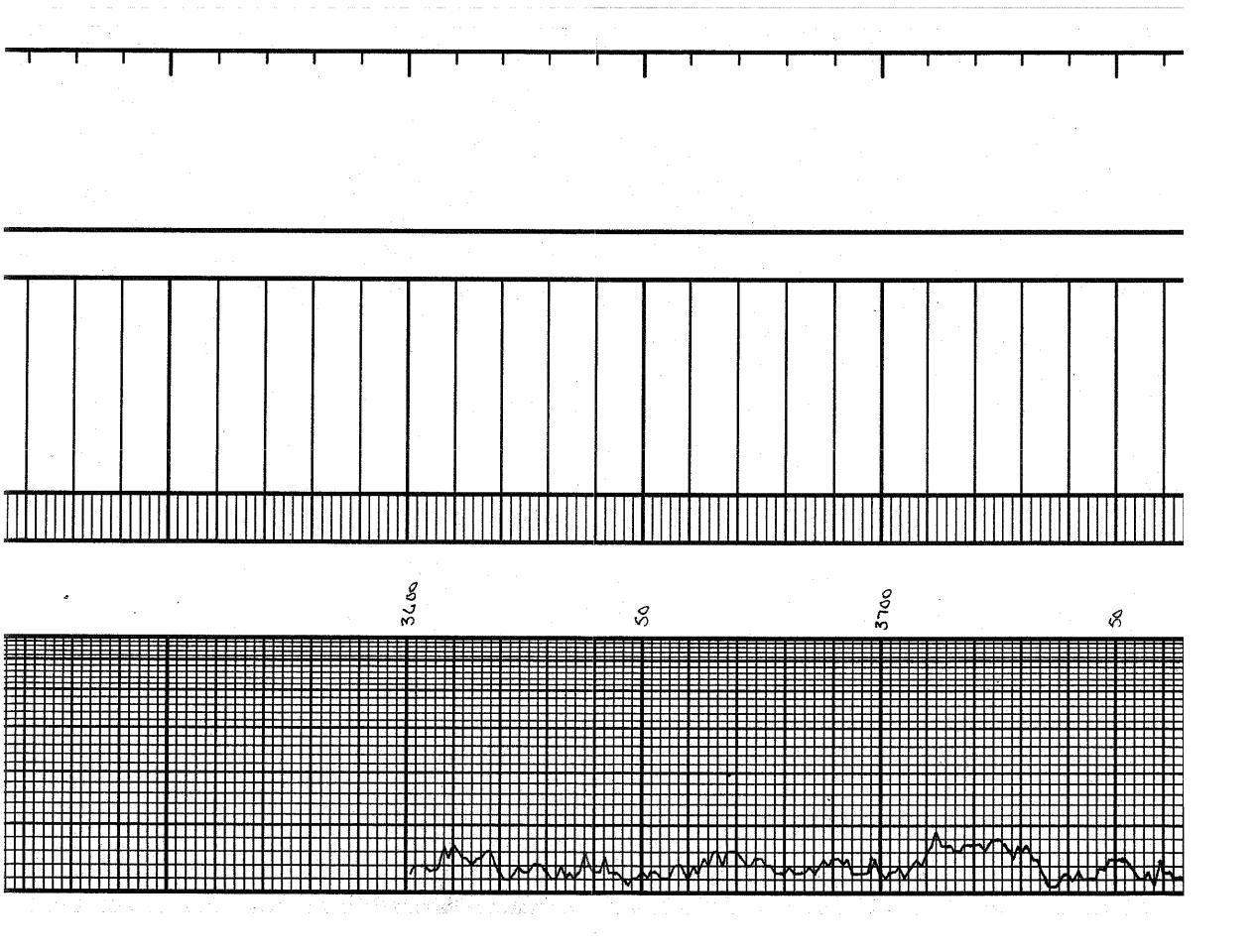
COMPANY Dawing- Nelson Oil Co., Inc.	95 244
WELL Robert Nickelson #1-27 FIELD Wildcat LOCATION 690' FNC + 845' FML	PRODUCTION <u>LKC</u>
SEC. 27 TWP. 95 RGE. 24 COUNTY Gratian STATE Kansas	ELEVATION KB 2481 DF GL 2473 Drilling Measured From: KB
OPERATOR DISCUSARY DILLING RIGHT	Samples Saved From 3400 To: 10 TD
COMM: 7-72-11 COMP: 7-27-11 CO	Weilsite Geologist Marc Dawning Electrical Surveys Superior CNU/CN DIL
TOTAL DEPTH DRILLERS: 4105' TOTAL DEPTH LOG 4100' FORMATION TOPS AND STRU	MEC Sonic UCTURAL POSITION
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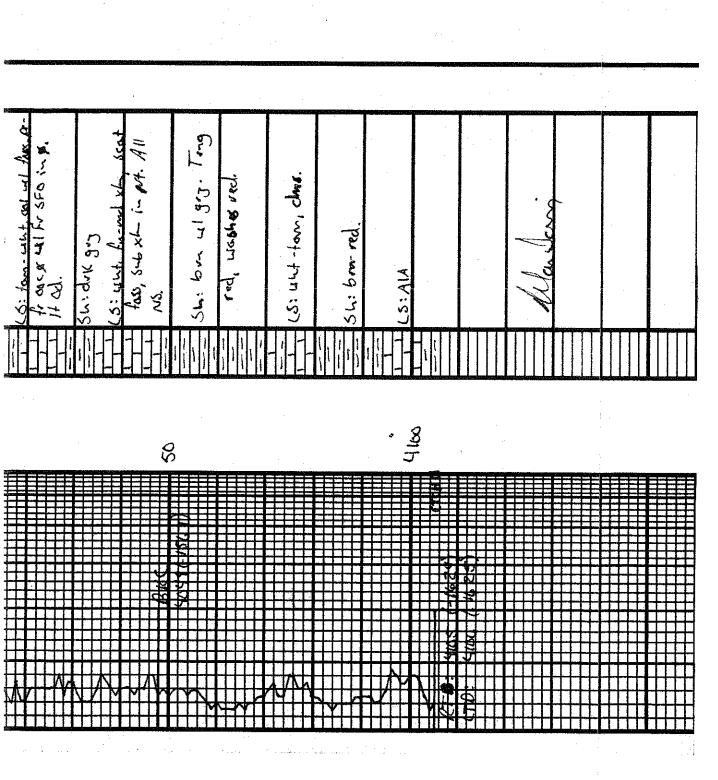
FORMATION TOPS	S AND STRI	JCTURAL POST	TION	
FORMATION	SAMPLE TOP	ELECTRIC LOG	SUB-SEA DATUM	STRUCTURAL POSITION
Too Anhadrite	NA	2131	+350	FL
Base Anhydrila	NA_	2164	+317	NA
Tareka	L NA	3564	1053	FC
HEERNER	3746	3784	-1303	+
Toxanta	3809	3807	-1324	<u>+3</u>
LKC	3925	3922	-1341	+3
BKC	4048	40.40	-1565	NA
REFERENCE WELL FOR STRUCT	URE Chie	Prilling	C a	,
Kahart #7	C-NE-N		Sec. 24 -	9. 24.

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ARKS AND RECOMMENDATIONS	No.	interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	1 101-710 1	RECOVERY			
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Downing Nelson Oil Co Inc

Robert Nickelson 1-27

PO Box 1019 Hays, Ks 67601 27-9-24 Graham, Ks Job Ticket: 44153

Test Start: 2011.07.26 @ 06:06:31

ATTN: Marc Downing

GENERAL INFORMATION:

Formation: LKC "D"

Deviated: Test Type: Conventional Bottom Hole No Whipstock: ft (KB)

Time Tool Opened: 07:38:01 Time Test Ended: 11:47:31

Interval:

Start Date:

Start Time:

Unit No:

Tester: Brian Fairbank

Reference Elevations:

2477.00 ft (KB)

DST#: 1

2470.00 ft (CF)

KB to GR/CF:

7.00 ft

3859.00 ft (KB) To 3882.00 ft (KB) (TVD) Total Depth:

3882.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Serial #: 8734 Outside

Press@RunDepth: 3867.00 ft (KB) 217.76 psig @

End Date:

2011.07.26

Capacity: Last Calib.:

8000.00 psig 2011.07.26

End Time:

11:47:31 Time On Btm: 2011.07.26 @ 07:36:31

Time Off Btm:

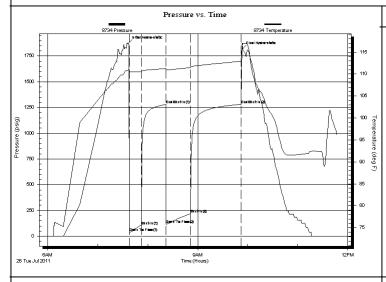
2011.07.26 @ 09:54:01

TEST COMMENT: IFP-BOB 45 sec

ISI - BOB 13 min FFP - BOB 6 min FSI - BOB 6 min

2011.07.26

06:06:32



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1871.86	110.91	Initial Hydro-static
2	38.06	110.52	Open To Flow (1)
16	104.34	110.50	Shut-In(1)
45	1279.20	111.26	End Shut-In(1)
46	117.13	110.91	Open To Flow (2)
75	217.76	111.47	Shut-In(2)
136	1280.38	112.91	End Shut-In(2)
138	1818.30	117.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	MW 95%W, 5%M	2.80
45.00	WM 50%W, 50%M	0.63
215.00	FREE OIL 95%O, 5%M	3.02
0.00	1440 GIP	0.00

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 44153 Printed: 2011.07.26 @ 13:16:41 Page 1



FLUID SUMMARY

DST#: 1

Downing Nelson Oil Co Inc

Robert Nickelson 1-27

PO Box 1019 Hays, Ks 67601 27-9-24 Graham, Ks

Job Ticket: 44153

ATTN: Marc Downing

Test Start: 2011.07.26 @ 06:06:31

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil A Pl: 35 deg A Pl

Viscosity: 63.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	MW 95%W, 5%M	2.804
45.00	WM 50%W, 50%M	0.631
215.00	FREE OIL 95%O, 5%M	3.016
0.00	1440 GIP	0.000

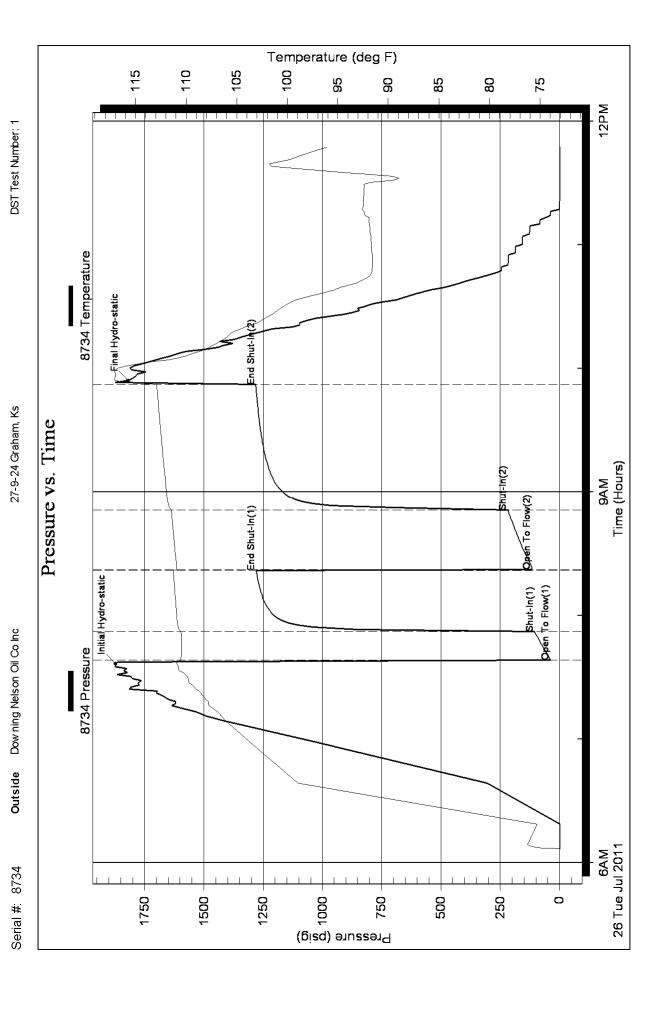
Total Length: 480.00 ft Total Volume: 6.451 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 44153 Printed: 2011.07.26 @ 13:16:41 Page 2



Page 3 Printed: 2011.07.26 @ 13:16:42 44153 Ref. No: Trilobite Testing, Inc



Downing Nelson Oil Co Inc

Robert Nickelson 1-27

PO Box 1019 Hays, Ks 67601 27-9-24 Graham, Ks

Job Ticket: 44154

ATTN: Marc Downing

Test Start: 2011.07.26 @ 19:15:38

GENERAL INFORMATION:

Formation: LKC "E-F"

Deviated: Test Type: Conventional Bottom Hole No Whipstock: ft (KB)

Time Tool Opened: 20:54:08 Time Test Ended: 01:00:38 Tester: Brian Fairbank

Unit No:

2477.00 ft (KB)

DST#: 2

Reference Elevations:

2470.00 ft (CF)

KB to GR/CF:

7.00 ft

Interval: 3880.00 ft (KB) To 3902.00 ft (KB) (TVD) Total Depth:

3902.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

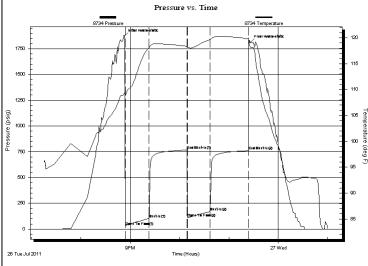
Serial #: 8734 Outside

Press@RunDepth: 3884.00 ft (KB) 169.22 psig @ Capacity: 8000.00 psig

Start Date: 2011.07.26 End Date: 2011.07.27 Last Calib.: 2011.07.27 Start Time: 19:15:39 End Time: 2011.07.26 @ 20:52:38 01:00:38 Time On Btm: 2011.07.26 @ 23:26:08 Time Off Btm:

TEST COMMENT: IFP - BOB 6 min

ISI - 6" blow back FFP - BOB 8 min FSI - BOB 17 min



PRESSUR		RE SUMMARY
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Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1871.14	109.29	Initial Hydro-static
	2	27.75	108.93	Open To Flow (1)
	30	102.52	118.06	Shut-In(1)
	77	767.27	118.37	End Shut-In(1)
Temperature	77	110.82	118.17	Open To Flow (2)
ret les	105	169.22	119.66	Shut-In(2)
ndeh)	151	760.83	119.77	End Shut-In(2)
פ	154	1810.14	118.14	Final Hydro-static
				•

Recovery

Length (ft)	Description	Volume (bbl)
145.00	MW 90%W, 10%M	1.75
105.00	SOCWM 5%O 45%W, 50%M	1.47
60.00	FREE OIL 95%O, 5%M	0.84
0.00	0.00 760' GIP	

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

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FLUID SUMMARY

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Hays, Ks 67601

Job Ticket: 44154

DST#: 2

ATTN: Marc Downing

Test Start: 2011.07.26 @ 19:15:38

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:37 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:85000 ppm

Viscosity: 46.00 sec/qt Cushion Volume: bbl

8.78 in³ Gas Cushion Type:

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm Filter Cake: inches

ohm.m

Recovery Information

Water Loss:

Resistivity:

Recovery Table

Length ft	Description	Volume bbl
145.00	MW 90%W, 10%M	1.752
105.00	SOCWM 5%O 45%W, 50%M	1.473
60.00	FREE OIL 95%O, 5%M	0.842
0.00	760' GIP	0.000

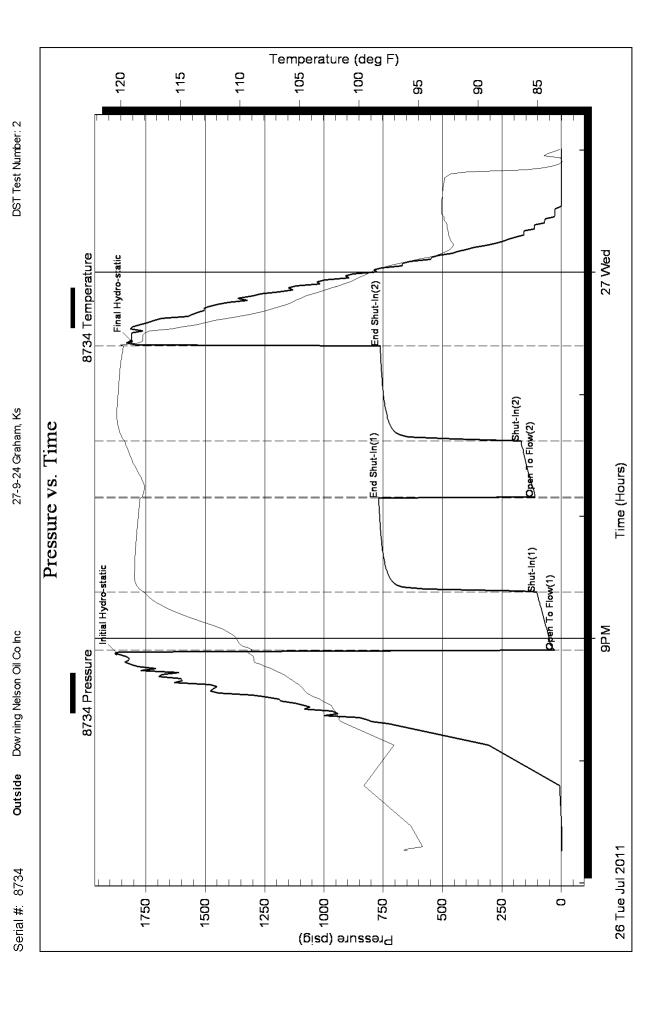
Total Length: 310.00 ft Total Volume: 4.067 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

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