

Kansas Corporation Commission Oil & Gas Conservation Division

1052277

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	e:			_ Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clos	sed, flowing and shut s if gas to surface tes	I base of formations per in pressures, whether set, along with final chart well site report.	shut-in pressure	reached s	static level,	hydrostatic press	sures, bottom h	ole temperature, fl
Orill Stem Tests Taken (Attach Additional S		Yes No		Log	Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolo		☐ Yes ☐ No	N	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	I Electronically	Yes No Yes No Yes No						
List All E. Logs Run:			RECORD [Used			
	Size Hole	Report all strings set- Size Casing	-conductor, surface Weight		ate, producti Setting	on, etc. Type of	# Sacks	Type and Percen
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.		Depth	Cement	Used	Additives
		ADDITIONA	L OFMENTING (00115575	DECORD			
		ADDITIONA	L CEMENTING / :	SQUEEZE	RECORD			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	d		Type and F	Percent Additives	
Shots Per Foot		ON RECORD - Bridge Plu ootage of Each Interval Pe				cture, Shot, Cement mount and Kind of Ma	•	d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Line	r Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENI	HR. Producing Me	thod:	Gas Li	ift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	В	bls. (Gas-Oil Ratio	Gravity
DISPOSITIO	Used on Lease	Open Hole	METHOD OF COM Perf. D	MPLETION: ually Comp omit ACO-5)	. Cor	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:
(If vented, Sub	mit ACO-18.)	Other (Specify) _						

Form	ACO1 - Well Completion			
Operator	Downing-Nelson Oil Co Inc			
Well Name	LTD 3-3			
Doc ID	1052277			

Tops

Name	Тор	Datum		
Top Anhydrite	1658	+635		
Base Anhydrite	1705	+588		
Topeka	3363	-1070		
Heebner	3600	-1307		
Toronto	3618	-1325		
LKC	3637	-1344		
ВКС	3886	-1593		
Marmaton	3964	-1671		
Cherokee Shale	4007	-1714		
Arbuckel	4028	-1735		



DRILL STEM TEST REPORT

DNOC LTD 3-3

PO Box 372 **3-14-21/Trego**

Hays, Ks Job Ticket: 41779 **DST#:1**

ATTN: Al Downing Test Start: 2011.02.09 @ 21:30:41

GENERAL INFORMATION:

Formation: LKC "E"

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle

Time Tool Opened: 00:19:41 Tester: Brian Fairbank
Time Test Ended: 04:31:11 Unit No: 41

Interval: 3696.00 ft (KB) To 3714.00 ft (KB) (TVD) Reference Elevations: 2293.00 ft (KB)

Total Depth: 4117.00 ft (KB) (TVD) 2285.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press@RunDepth: 20.81 psig @ 3699.00 ft (KB) Capacity: 8000.00 psig

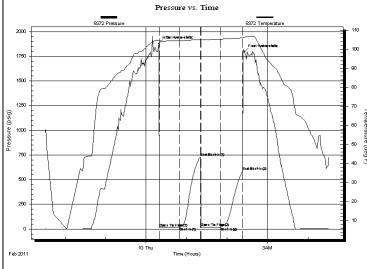
 Start Date:
 2011.02.09
 End Date:
 2011.02.10
 Last Calib.:
 2011.02.10

 Start Time:
 21:30:42
 End Time:
 04:31:11
 Time On Btm:
 2011.02.10 @ 00:18:41

 Time Off Btm:
 2011.02.10 @ 02:25:41

TEST COMMENT: IFP - 3/4" blow - died 14 min

ISI - no blow back FFP - no blow FSI - no blow back



	FRESSURE SUIVIIVIANT								
	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	1879.17	104.79	Initial Hydro-static					
	1	15.36	104.32	Open To Flow (1)					
	31	18.56	104.45	Shut-In(1)					
4	62	729.86	105.11	End Shut-In(1)					
Temperature (deg	63	18.54	104.90	Open To Flow (2)					
rature	92	20.81	105.29	Shut-In(2)					
(deg	124	589.52	105.95	End Shut-In(2)					
J	127	1794.10	106.41	Final Hydro-static					

PRESSURE SUMMARY

Recovery

Description	Volume (bbl)
mud 100%	0.05
	·

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

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DRILL STEM TEST REPORT

FLUID SUMMARY

DNOC LTD 3-3

PO Box 372 **3-14-21/Trego**

Hays, Ks Job Ticket: 41779 **DST#:1**

ATTN: Al Downing Test Start: 2011.02.09 @ 21:30:41

Mud and Cushion Information

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

Mud Weight:9.00 lb/galCushion Length:ftViscosity:52.00 sec/qtCushion Volume:bbl

Water Loss: 9.58 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
10.00	mud 100%	0.049

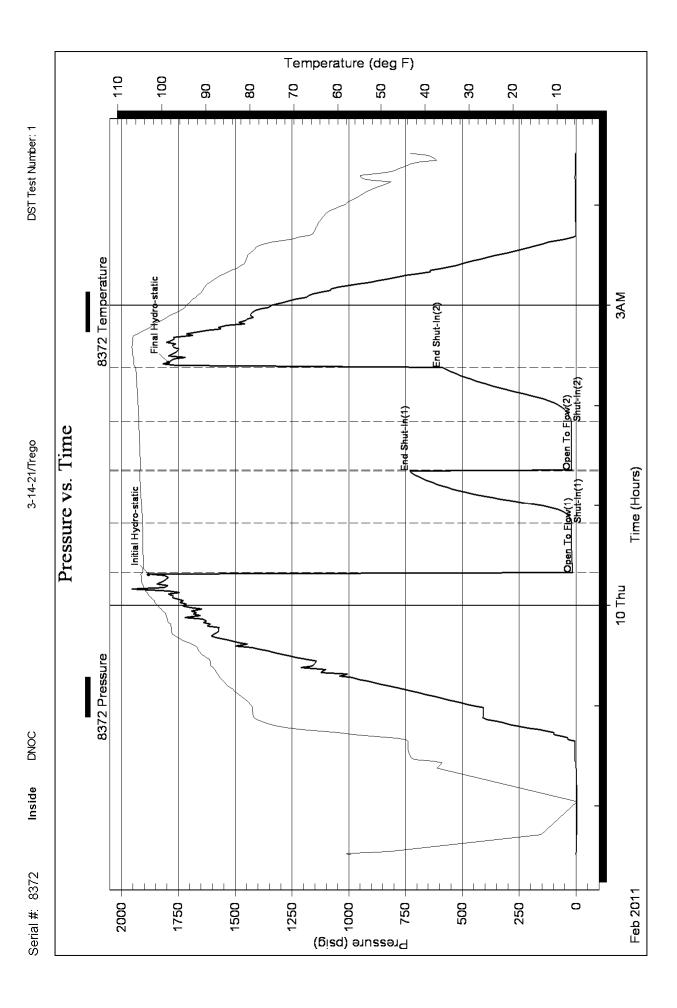
Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

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ALLIED CEMENTING CO., LLC. 039776

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: OAK/EY,

		•		
2-10-11 SEC TWP. RANGE 2/W	CALLED OUT ON LO	CATION OO AM	JOB START 2:00 PM	JOB FINISH 230 PM
LEASE WELL# 3-3 LOCATION RIGH	75-16-3/4W-1	له تد ل	COUNTY TREGO	STATE S
OLD OR (EW)(Circle one)				
				V
CONTRACTOR DESCOVERY DRIG #3	OWNER c	SAME	-	
TYPE OF JOB PTA				-
HOLE SIZE 77/8' T.D. 4/17	CEMENT		to a d	
CASING SIZE DEPTH	AMOUNT ORDERED	2053	Ks 69/40 Po.	242981
TUBING SIZE DEPTH DRILL PIPE 4/2' DEPTH 4008'	14# Plo-SEAL	 		. : :
	COMMON	<i>(19</i> 0-	1250	111550
PRES. MAX MINIMUM MEAS. LINE SHOE JOINT	COMMON /23		@ <u>/3 4</u>	1660 <
CEMENT LEFT IN CSG.	POZMIX <u>82</u>		@ <u>*7 </u>	619 4
PERFS.		sks_	@ <u>20 25</u>	141 75
DISPLACEMENT	CHLORIDE ASC		@	·
	ASC		@	
EQUIPMENT			@	
	Flo-SEAL 5	1#	@ 2 45	124 95
PUMPTRUCK CEMENTER TEKRY	7 is 521.1 O		@ <u></u>	121 -
# 43/ HELPER DARREN			@	
BULK TRUCK			@	
# 394 DRIVER JERRY			@	
BULK TRUCK		—· ······	@	
# DRIVER	HANDLING 212	Z/\S	@ 2 25	477
	MILEAGE 104 DE	1 5K/.	MILE	848 00
REMARKS:	. /		TOTAL	387134
25 sks AT 4008'			IOIAL	
25 SKS AT 1683'	•	SEDVIC	117	
60 SKS AT 834'		SERVIC	£	•
40 sls AT 698'	DEPTH OF JOB	1	1008	
10 SKS AT 40'	PUMP TRUCK CHARG		7000	1/59
15 sks mouse Hole	EXTRA FOOTAGE	JE	(A)	1/9/
30 SKS RAT Holy		40 MI	0 7 30	206 8
	MANUFOLD		@	
THANK YOU	WITHIN OLD		@	
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CHARGE TO: DOWNING - NEISON				
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STREET			IUIAL	7,07
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OTATE	PLUG &	FLOAT	EQUIPMEN'	$oldsymbol{\Gamma}$
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	1 4712 15 476			<u> </u>
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To Allied Comenting Co. LLC			@ @	
To Allied Cementing Co., LLC.			@ 	· · · · · · · · · · · · · · · · · · ·
You are hereby requested to rent cementing equipment				· · · · · · · · · · · · · · · · · · ·

Marc Downing

Consulting Petroleum Geologist 1411 Washington Circle Hays, Ks 67601 Phone: 620-428-1356 (cell) 785-621-2286 **GEOLOGIC** REPORT LOG

LTD #1-10

Sec 10-145-21W

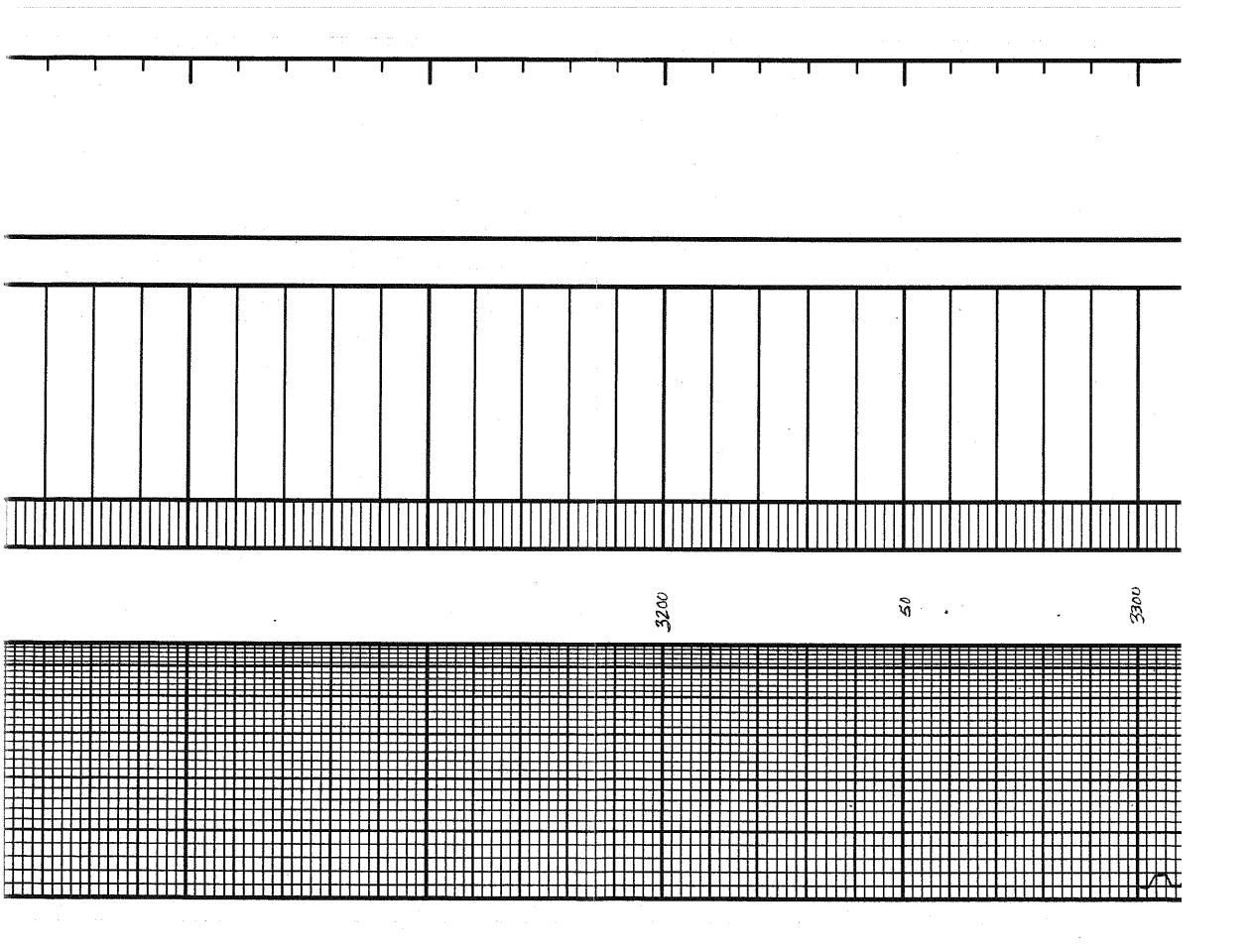
COMPANY		"	145	21W			
muning-Nelson Oil Co.,	Inc	· .					
WELL LETD 43-3			3-				
FIELD Wildrat		·		0			
LOCATION 730' FEL - 13/0	'EX	PRODUCTION	. Dry				
SEC. 3 TWP. 145 RGE	I :	ELEVATION	— 64644	293			
	· 41W	v.	DF				
county		·	GL_27				
STATE Lansas		Orf!ling Measured Fro		93 KB			
SIAIE BUNKS		Samples Saved From					
		Drilling Time From					
OPERATOR		Samples Examined From: 300 To:					
CONTRACTOR DEONVENI Drilling is	Zig#3	Geological Supervision From 3200 To Total Desta					
COMM: 2-04-11 COMP: 2-10	5-11	Westalte Geologist Alan Downing					
CASING RECORD	1	Electrical Surveye Superior					
1	1	CONLIGE - MICHOLOG					
SURF: 85/8- 649' PROD:		ر المستقدم					
TOTAL DEPTH DRILLERS: 417		Source - Dual Induction					
TOTAL DEPTH LOG 4119			والتراق والمستعدد والمجرورية والمعروب				
FORMATION TOPS	AND STRU	CTURAL POS	ITION				
FORMATION	SAMPLE	ELECTRIC LOG		STRUCTURAL			
	TOP	TOP	DATUM	POSITION -5			
Anhud vitr Base	1659	1658	+635 +588	-7			
	1767	1705	-T 3PP	1			
Topeka	3362	3363	- 1070	-e.			
Herbner	3599	3600	- 1307	-8			
Toronto	3617	3618	- 1325	-5			
LKC	3636 3666	3637	- 1344	- 6 - a			
BKc landan	3886 3964	- 1593 -1671	- 7				
Mumaton Chinkle Shale	396d						
	4000	4007	- 1714	- 5			

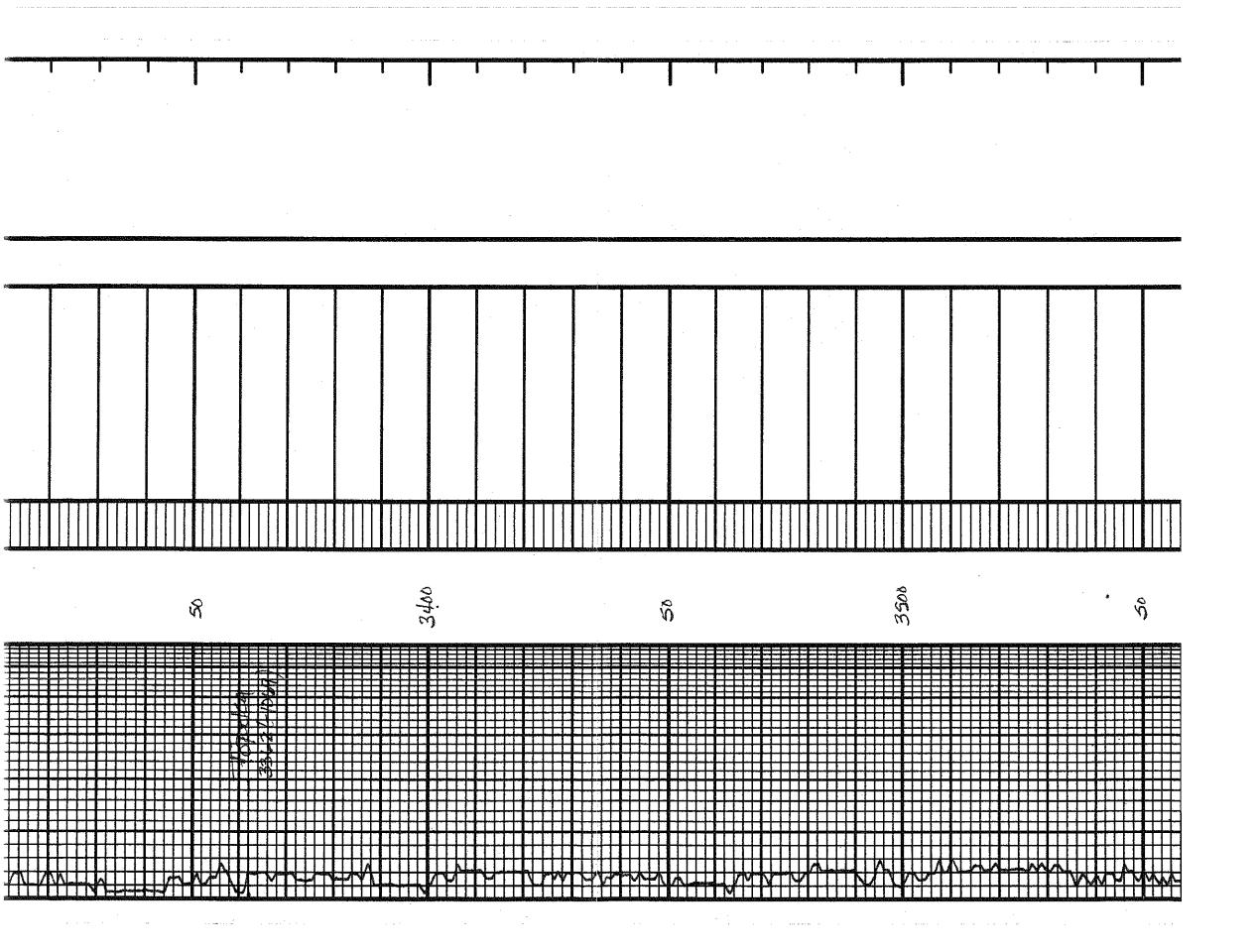
REFERENCE WELL FOR STRUCTURE DNOCI 1340 FNL - 960 FEL Sec 10 -1

		ETDAT LON		BIT RECORD							
DAILY PENETRATION			- No.	NO SIZE MAKE TYPE DEPTH OUT FEET HOURS							
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FORMATION	1	INTERVAL			DESCRIPTION O	F SHOW		LOG ANALYSIS S W			
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	Dolomite		REMARKS		!					
	Chert	OIL SHOW	/S			piere de la constante de la co	description with	ej závásast	eisma ses	
	Carb sh Limestone Ool.Lime 6		SAMPLE DESCRIPTIONS							
-	Shale	LITHOLOG	Y							
	Sandstone	n Lead of								
		TES	20" 25"							
	Anhydrite	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases								





	Vis 52 Wt 9.0 W. 9.2	723	F#P: 1794# Temp: 106°F	
5n. Black - carn (s. 1M+ Vfxn, V.dsE Ls. 1M+ Vfxn, V.dsE Ls. 1m+ Brown, trace 1s. 1m fxn, Scatt. 1s. 1m fxn, Ms, scatt. v.s/t. 1n from d sn. Brown J. 1/k ann	Ls. Mar I've oof Ns. Ls. Char. Tan An Wscall Insneral st- (Brn) Ns will few yes with a check sn: V. dark and Ls. Mat. Or Ayn dob. Wsnay Ls. Mat. Or Ayn dob. Wsnay Ls. Mat. Or Ayn dob. Wsnay Ls. Wat. The intervent of oil V. States - V. Elack.	Spt. Str. Ns Po - No dov. Spt. Str. Ns Po - No dov. Spt. Str. Ns Po - No dov. [S. wn1 Pan ooi - w Gr. oo! - d V. spt str. Ns Fo - chalku to L. S. Tan Pan dolo. w good L. S. Tan Pan dolo. w good L. S. Tan Can dolo. w good L. S. Tan Cat wat Pan we sat	dov. Aport with the south of	Interval
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