

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1082298

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:					
Address 2:	Feet from North / South Line of Section				
City: State: Zip:+	Feet from Fast / West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()					
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:				
If Workover/Re-entry: Old Well Info as follows:					
Operator:	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: Quarter Sec TwpS. R County:				
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:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

	Side Two	
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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	oots)	Yes No		og Formatio	n (Top), Depth an	nd Datum	Sample
Samples Sent to Geolog	jical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set		ew Used	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 / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
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, Co (Amount and Kind	ement Squeeze Record d of Material Used)	Depth		
TUBING RECORD:	Si	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENHF	λ .	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF (GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Used on Lease		Open Hole	Perf.	Dually (Submit)	Comp. 4CO-5)	Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify))					

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	ACHESON TRUST 1-20
Doc ID	1082298

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic

OLIAL		ang pang Na kang Pang					0			
QUALI	IY	LV	VEL			ING, IN	U .			
Phone 785-483-2025	н	ome Office	e P.O. B	ox 32 Ru	ssell, KS 67665	No.	647			
Cell 785-324-1041	Twn	Bange		County	State	On Location	Finish			
Data 3 10 17 7	n G	nunge nu		la mag	25		11:22/1000			
Date S-10-12 20		170	Locati	on Pilin	Delline & ato	3000 hr 4	Elinto			
Lease / KIBBN INST	wen no.	1°dl	Lucan	Owner .	Repair are.	2000 JV 16	12-10-110			
Contractor Stenling		N and S		To Quality C	Dilwell Cementing, Inc), mod 1. en h				
Type Job Sov-tace		7-11-		You are her	eby requested to rent ad beloer to assist ow	t cementing equipmen	it and furnish o work as listed.			
Hole Size 12-14	Dopth	1-1	e of actual	Charge <	Elathe Para					
<u>Csg. 8-78</u>	Depth	XS P	the second second	То	Sheldy Also	Vices	CORNER BALL OF THE			
Tbg. Size	Depth		-	Street			MAR 25211			
Tool	Deptn		n	City		State				
Cement Left in Csg. 15	Shoe J	oint	2	The above w	as done to satisfaction a	and supervision of owne	r agent or contractor.			
Meas Line	Displac	e 15 BC		Cement Am	iount Ordered /60	240 3 Jaco	Joble			
No Cementer	NUE NI	<u>e de la blez</u>	<mark>ana baha a</mark>		170		<u> </u>			
Pumptrk 5 No. Helper	Jul g			- Common /	60	ang	biotina de la companya de la compa			
Bulktrk Driver	4			Poz. Mix	<u> an the second s</u>					
Bulktrk Briver Miz	K		recordente							
JOB SERVICE	RKS	d lender	Calcium 3							
Remarks:				Hulls						
Rat Hole	11. 21. 1000-			Salt						
Mouse Hole	100000		21 62	Flowseal						
Centralizers				Kol-Seal						
Baskets				Mud CLR 48						
D/V or Port Collar		1	- 4.07	CFL-117 or CD110 CAF 38						
85/Bon hottom. 1	3+0	estation.		Sand						
Mix HOSK Y DSDI	bie.		and a strength	Handling 163						
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Signature										

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Phone 785-483-2025 Cell 785-324-1041	Но	ome Office	P.O. B	ox 32 Ru	ssell, KS 67665	No.	5469			
Date 3-16-12 20	Twp.	Range 21	Gra	County	State KS	On Location	Finish 10:30 pm			
Lease Acheson Tust	Vell No.	1-20	Locati	onPalco	+ Rodline Rd	. 42 cm Redline	Rel to 350H			
Contractor Steching	HU	1	- Andrewski - A	Owner IN	SF. N/T	nto	CHOICER'S CONTRACTOR			
Type lob Pluce	\$		in this ar	To Quality C	Dilwell Cementing, Inc	D.	liess in the			
Hole Size 77/21	T.D.	40001		cementer a	eby requested to ren nd helper to assist ov	vner or contractor to do	work as listed.			
	Depth	1000		Charge S	helpin Rocis	L COD S	in said they			
The Size US" N P	Depth	3887	1	Street	10104 11030	Nes ces	170m			
Tool	Depth	0001	<u></u>	City		State	(1011) (1			
	Shoe to	oint	ong age	The above is	as dona to entisfaction	and supervision of owner	agent or contractor			
Cement Left in Usg.	Dieplace	Hapin	hund	Cement Am	ount Ordered 250	2 sy Loilun 4	% Gal Litt S			
Meas Line FOLIIP	MENT	<u> </u>	mar			SX OD MU	10 QU 19#F1-3.			
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Bulktrk / Diver LO No. Driver Do	L			POZ. MIX	7	<u></u>				
Bulktrk PIU, Driver DIC	9 DEMAN	DVC	292.100	- Gel						
O JUB SERVICES		nno Nº T	1							
Remarks: Cement die	1	Greatag	te,	Hulls						
Rat Hole	- <u>(</u>			Salt						
Mouse Hole	3	Constant Constant	eri orb	Flowseal 024t						
Centralizers	2 G. Shaker			Kol-Seal						
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DRILL STEM TEST REPORT

Prepared For:

Shelby Resources LLC

2717 Canal Blvd Suite C Hays, Kansas 67601

ATTN: Keith Reavis

Acheson Trust #1-20

20/9S/21W/Graham

 Start Date:
 2012.03.15 @ 14:22:00

 End Date:
 2012.03.15 @ 19:53:30

 Job Ticket #:
 17171
 DST #:
 1

Superior Testers Enterprises LLC PO Box 138 Great Bend KS 67530

1-800-792-6902

DR	ILL STEM TES	T REPO	ORT				
ENTERPRISES LLC Shelb	y Resources LLC		20/9)S/21W/	Graham		
2717 Suite Hays ATTN	Canal Blvd C , Kansas 67601 I: Keith Reavis		Ach Job ⁻ Test	eson Tr Ticket: 171 Start: 201	u st #1-20 171 12.03.15 @	DST#:1 14:22:00	
GENERAL INFORMATION:							
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:16:24:30Time Test Ended:19:53:30Interval:3844.00 ft (KB) To3920.00 ftTotal Depth:3920.00 ft (KB) (TVD)Hole Diameter:7.88 inches Hole Condition	ft (KB) t (KB) (TVD) ion: Fair		Test Teste Unit I Refe	Type: C er: K No: 3: rence Elev KB to	onventional en Sw inney 325 Hays/90 /ations: 9 GR/CF:	Bottom Hole 2372.00 2363.00 9.00	e (Initial) ft (KB) ft (CF) ft
0							-
Serial #: 6749 Press@RunDepth: 87.52 psia @ Start Date: 2012.03.15 Start Time: 14:22:00	ft (KB) End Date: 2 End Time:	2012.03.15 19:53:30	Capacity: Last Calib Time On E Time Off E	.: Btm: 24 Btm: 24	2 012.03.15 @ 012.03.15 @	5000.00 2012.03.15 2 16:23:00 2 18:16:00	psia
TEST COMMENT: 1ST Open 10 Mii 1ST Shut In 45 Mir 2ND Open 10 Mir 2ND Shut In 45 Min	nutes/Weak blow /Blow built nutes/No blow back nutes/No blow /Flush tool didn utes/No blow back	to 1/2 inch ir nt help	bucket of w	ater			
Pressure vs. Time			PR	ESSUR	E SUMMA	ARY	
0000 FR8SLR 1750 1000	000 Freedom P	Time (Min.) 0 2 10 55 56 66 111 113	Pressure (psia) 1965.78 69.29 75.04 1097.11 77.94 87.52 1058.41 1951.80	Temp (deg F) 107.56 106.74 106.28 108.06 107.85 108.46 110.77 111.19	Annotatior Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	-static ow (1) (1) (2) -static	
Recovery				Gas	Rates		
Length (ft) Description 10.00 Mud 100% w ith show of oil in to	Volume (bbl) ol 0.05			Choke (in	ches) Pressure	e (psia) Gas	s Rate (Mcf/d)
Superior Testers Enterprises LLC	Ref. No: 17171			Printed: 2	2012.03.15	@ 20:04:37	

RER	DRILL STEM TES	T REPO	ORT		
ENTERPRISES LLC	Shelby Resources LLC		20/9S	6/21W/Grah	am
COTER:	2717 Canal Blvd Suite C Hays, Kansas 67601 ATTN: Keith Reavis		Ache Job Tic Test S	son Trust # cket: 17171 tart: 2012.03.	1-20 DST#:1 15 @ 14:22:00
GENERAL INFORMATION:					
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:16:24:30Time Test Ended:19:53:30	ft (KB)		Test Ty Tester Unit No	ype: Conver : Ken Sw o: 3325 H	ntional Bottom Hole (Initial) / inney ays/90
Interval:3844.00 ft (KB) To39Total Depth:3920.00 ft (KB) (THole Diameter:7.88 inchesHol	920.00 ft (KB) (TVD) VD) e Condition: Fair		Refere	ence Elevations KB to GR/C	s: 2372.00 ft (KB) 2363.00 ft (CF) CF: 9.00 ft
Serial #: 6748Press@RunDepth:1072.27 psiaStart Date:2012.03.15Start Time:14:22:00TEST COMMENT:1ST Open 1ST Shut In 2ND Open 2ND Shut In	 @ ft (KB) End Date: End Time: 10 Minutes/Weak blow /Blow built 45 Minutes/No blow back 10 Minutes/No blow /Flush tool did 45 Minutes/No blow back 	2012.03.15 19:53:30 to 1/2 inch ir nt help	Capacity: Last Calib.: Time On Btr Time Off Bti n bucket of w a	n: 2012.0; m: 2012.0; ter	5000.00 psia 2012.03.15 3.15 @ 16:22:00 3.15 @ 18:16:30
Pressure vs.	l'ime		PRE	SSURE SU	IMMARY
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Recovery				Gas Rate	es
Length (ft) Description Length (ft) Description 10.00 Mud 100% with show o	Volume (bbl) f oil in tool 0.05			Choke (inches)	Pressure (psia) Gas Rate (Mct/d)

SPERIO		DRI	LL STE	MTEST	REPO	RT	TOOL DIAGRAM
ENTERPRISES LLC	;	Shelby	Resources L	LC		20/9S/21W/Graham	
		2717 Ca	anal Blvd			Acheson Trust #1-2	0
		Suite C Havs, K	ansas 6760 [°]	1		Job Ticket: 17171	DST#:1
		ATTN:	Keith Reavis	S		Test Start: 2012.03.15 @	2 14:22:00
Tool Information		ļ					
Drill Pipe: Length:	3668.00 ft	Diameter:	3.88 in	ches Volume:	53.64 bb	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bb	Weight set on Packer:	: 20000.00 lb
Drill Collar: Length:	180.00 ft	Diameter:	2.25 in	ches Volume:	0.89 bb	Weight to Pull Loose:	72000.00 lb
				Total Volume:	54.53 bb	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft					String Weight: Initial	67000.00 lb
Depth to Top Packer:	3844.00 ft					Final	67000.00 lb
Depth to Bottom Packer:	ft						
Interval betw een Packers:	76.19 ft						
Tool Length:	103.19 ft						
Number of Packers:	2	Diameter:	6.75 in	ches			
Tool Comments:							
Tool Description	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool		5.00			3822.00		
Hydrolic Tool		5.00			3827.00		
Jars		5.00			3832.00		
Safety Joint		2.00			3834.00		
Packer		5.00			3839.00	27.00	Bottom Of Top Packer
Packer		5.00			3844.00		

Perforations	6.00			3850.00		
Change Over Sub	0.65			3850.65		
Drill Pipe	31.89			3882.54		
Change Over Sub	0.65			3883.19		
Anchor	32.00			3915.19		
Recorder	1.00	6749	Inside	3916.19		
Recorder	1.00	6748	Outside	3917.19		
Bullnose	3.00			3920.19	76.19	Bottom Packers & Anchor

Total Tool Length: 103.19

Image: Normal System Shelby Resources LLC 20/9S/21W/Graham 2717 Canal Blvd Acheson Trust #1-20 Job Ticket: 17171 DST#:1 ATTN: Muse C Job Ticket: 17171 DST#:1 Hays, Kansas 67601 ATTN: Keith Reavis Test Start: 2012.03.15 @ 14:22:00 Mud and Cushion Information Mud Type: Gel Chem Cushion Type: Oil API: d Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: p Viscosity: 65.00 sec/qt Cushion Volume: bbl bbl Usater Salinity: p Viscosity: 0 ohm.m Gas Cushion Pressure: psia Usater Salinity: p Salinity: 1900.00 ppm Etter Cake: 1.00 inches Etter Cake: p Etter Cake: Etter Cake:	eg API pm
2717 Canal Blvd Suite C Hays, Kansas 67601 ATTN: Keith Reavis Acheson Trust #1-20 Job Ticket: 17171 DST#:1 Mud and Cushion Information Test Start: 2012.03.15 @ 14:22:00 Mud Type: Gel Chem Cushion Type: Oil API: d Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: p Viscosity: 65.00 sec/qt Cushion Volume: bbl bl	eg API pm
Suite C Hays, Kansas 67601 ATTN: Keith Reavis Job Ticke: 17171 DST#:1 Mud and Cushion Information Test Start: 2012.03.15 @ 14:22:00 Mud Type: Gel Chem Cushion Type: Oil API: d Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: p Viscosity: 65.00 sec/qt Cushion Volume: bbl bl Viscosity: e4.40 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psia Viscosity: viscosity: ft Viscosity: Viscosity: ft ft Viscosity: ft	eg API pm
Hays, Kansas 67601 ATTN: Keith Reavis Test Start: 2012.03.15 @ 14:22:00 Mud and Cushion Information Mud Type: Gel Chem Oil API: d Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: p Viscosity: 65.00 sec/qt Cushion Volume: bbl bbl Water Loss: 6.40 in ³ Gas Cushion Pressure: psia Salinity: 1900.00 ppm Filter Cake: 1.00 inches Recovery Information	eg API pm
Mud and Cushion Information Oil API: d Mud Type: Gel Chem Cushion Type: Oil API: d Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: p Viscosity: 65.00 sec/qt Cushion Volume: bbl bbl Water Loss: 6.40 in ³ Gas Cushion Type: salinity: p Resistivity: ohm.m Gas Cushion Pressure: psia salinity: 1900.00 ppm Filter Cake: 1.00 inches Ecovery Information Recovery Table Ecovery Table	eg API pm
Mud and Cushion Information Mud Type: Gel Chem Cushion Type: Oil API: d Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: p Viscosity: 65.00 sec/qt Cushion Volume: bbl bbl P Water Loss: 6.40 in ³ Gas Cushion Type: Salinity: P P Resistivity: ohm.m Gas Cushion Pressure: psia P P Salinity: 1900.00 ppm Filter Cake: 1.00 inches P P Recovery Table	eg API pm
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Resistivity: onm.m Gas Cushion Pressure: psia Salinity: 1900.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table	
Salinity: 1900.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Table	
Recovery Information	
Recovery Information Recovery Table	
Length Description Veloce	
ft Description Volume	
10.00 Mud 100% with show of oil in tool 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:	

Printed: 2012.03.15 @ 20:04:37

Superior Testers Enterprises LLC Ref. No: 17171



Shelby Resources LLC

Acheson Trust #1-20

DST Test Number: 1

Printed: 2012.03.15 @ 20:04:38

Superior Testers Enterprises LLC Ref. No: 17171



Shelby Resources LLC

Acheson Trust #1-20

DST Test Number: 1

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





mineral nuoresence, no cut, abundant chaik in samples

red and gray shale, soft

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limestone, cream to white, micro-cryptocrystalline, lithographic to fossiliferous, fairly chalky, some fair pinpoint porosity, scattered saturated brown to spotty light brown staining, slight show of tarr-clingy free oil, no odor, bright green mineral fluorescence, slow streaming cut, abundant chalk througout samples

limestone, pale green to cream and white, cryptocrystalline, fossiliferous, trace oolitic, poor visible porosity, some scattered tarry D black stain, trace tarry free oil, no odor, slight fluoresence

Base KC 3802 -1430

shale, red and gray, soft, heavy red wash

as above with some gray grainy fossiliferous to arenaceous limestone

shales as above, heavy red wash

limestone, gray to white and pale green, fossiliferous, grainy, to sandy/argillaceous, dense, scattered chert, some reworked red shale loaded clastic limestone

red and gray shales, heavy red wash, some light green slightly friable siltstones

Penn Congl. 3864 -1492

limestone, mixed gray to pale green and cream, crypto-microcrystalline, fossiliferous to lithographic, some sandy, some reworked, with flood orange fossiliferous chert, abundant brick red, fairly firm silty shales (more typical of conglomerate)

conglomerate, red and gray shales, orange cherts, mixed limestones, some scattered light gray microcrystalline dolomite, dense, trace stain, one speciment even stain microxIn dol with show heavy oil on break, 45 min sample, flood sticky red shale and chalk, trace cream microxin dol, barren, no odor in samples

shaley conglomerate, mixed red and gray, very soft stickey, mixed limestones, chert drops out

a.a. with: angular quartz sandstone, pyritic, dead oil stain

Arbuckle 3907 -1535

dolomite, pink to orange, crypto-microcrystalline, chert and (feldspar?) inclusions (reworked), poor primary but good secondary vuggy porosity, fair staining, some bleeding oil, with: dolomites, mixed gray to cream and white, mixed crystalline, varying degrees of intercrystalline and vuggy solution porosity, spotty to saturated stain to barren, overall good show free oil in tray, weak odor, fairly even light fluoresence - abundant cherts and pyrite

3920-30, dolomites as above, marked decrease in show, only sheen in tray, fleeting odor, some bright green shale stringers

3930-36 dolomite, tan to brown and gray, microcrystalline, recrystallized to subrhombic to rhombic, rhombic exhibits good porosity in part, abundant caliche (in 30 min sample, drops out in 45 min sample) some pyritic, scattered dead black flakey staining, trace light brown spotty to saturated stain, no show free oil, no odor, faint green yellow fluoresence, with: abundant cream to tan cryptocrystalline dolomite, barren, some scattered cherts

3936-44, as above, with influx orange and yellow cherty dolomites

3944-65 dolomite, tan to gray, some pink/orange to yellow, mostly microcrystalline rhombic to sub-rhombic, some recrystallized, dense, some pyritic, some scattered spotty to saturated black to brown stain, no show free oil, no odor, flood waxy bright green and maroon shales, sandy to pyritic, appx 40% of samples, scattered cherts

as above, decrease in shales (appx 20%), increase in chert

dolomite, white to light gray and tan and light orange, crypto-microcrystalline, some fair rhombic with good intercrystalline porosity, some very pyritic, some black staining and gilsonite, some clingy tar, no show free oil or odor, poor overall fluoresence, marked decrease in shales, trace chert

Rotary TD 4000 ft @ 0425 hrs 3/16/12

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