

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division 1102704

Form ACO-1
August 2013
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 East / West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
☐ Oil ☐ WSW ☐ SHOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW ☐ OG ☐ GSW ☐ Temp. Abd. ☐ CM (Coal Bed Methane) ☐ Cathodic ☐ Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Operator:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.				
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)				
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite: Operator Name:				
GSW Permit #:	Lease Name:				
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Permit #:				

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

Page Two



Operator Name:				_ Lease I	Name: _			Well #:	
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b d.	ottom hole temp	erature, fluid recov
Final Radioactivity Lo files must be submitte						ogs must be ema	alled to kcc-well-	logs@kcc.ks.go	v. Digital electronic
Drill Stem Tests Taker (Attach Additional		Y	es No			J	on (Top), Depth		Sample
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run			es No						
List All E. Logs Run:									
				RECORD	Ne				
	0: 11.1					ermediate, product		" 0 1	T 15
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives	
Perforate Protect Casing	Top Dottom								
Plug Back TD Plug Off Zone									
1 lug 0 li 20 lio									
Did you perform a hydrau	ulic fracturing treatment	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)
Does the volume of the t			-		-			skip question 3)	
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, i	ill out Page Three	of the ACO-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Ceme	nt Squeeze Recor	rd Depth
						(* *			200
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:			
		0017111				[Yes N	o	
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!	
DISPOSITION Solo	ON OF GAS: Used on Lease		N Open Hole	∥ETHOD OF Perf.	_		mmingled	PRODUCTION	ON INTERVAL:
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)		

Quality Well Service, Inc.

324 Simpson St. Pratt, KS 67124

ARASS ST
0
ESSA I
0
0

8/17/2012	Date
2012	te
C-585	Invoice #

Edison Operating 1223 N Rock Rd Wichita, KS 67206 Bill To

		Thank You for your business!	Common Gel Calcium Flo-Seal 8 5/8 Wooden Plug Handling .08 * sacks * miles SFC 0-500' LMV Pump Truck Mileage Discount Discount Discount Expires after 30 days from the date of the invoice Schartz #1A-6 Rice Co.		
					P.O. No.
Total	Sales Tax (7.3%)	Subtotal	Qty 275 5 10 68.75 1 290 4,400 1 16 685.13 258.15		Terms
	(7.3%)		Rate 13.50 20.50 53.00 2.00 85.00 2.10 0.08 600.00 2.00 8.00 -1.00 0.00	Sc	Le
\$5,628.63	\$283.41	\$5,345.22	Amount 3,712.50T 102.50T 530.00T 137.50T 85.00T 609.00 352.00 600.00 32.00 128.00 -685.13T -258.15 0.00	Schartz #1A-6	Lease Name

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410 Office / Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

	Total Charge					X Signature
	Discount					
	Tax					
		0,	Mileage //	nk 160	Thom	
		arge Surfact	Pumptrk Charge			
	gazine					
	00	8 Wooden Pl	8/28			
			Latch Down	to Surface	irculate	Cement Did
			Float Shoe			
			AFU Inserts			
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			th Centralizer	-d.so w.	sed plug	down and released
		2000年間の大学のの日	Guide Shoe	75sx - Shut	mired 2	Hooked up and
	TN	FLOAT EQUIPMENT	,	0		
\		0	no Mileage 16	mud our	with	Est Circulation
		290	Handling	(
1)+ Sand	& landing	8 % one	Kan 9 sts of a
		CFL-117 or CD110 CAF 38	CFL-117 or		ash out to the state of	D/V or Port Collar
	William Teams	w	Mud CLR 48		600	Baskets
Tr.			Kol-Seal			Centralizers
10000000000000000000000000000000000000		8.75	Flowseal 6		K	Mouse Hole
			Salt			Rat Hole
			Hulls	RKS	JOB SERVICES & REMARKS	
			Calcium / C			Pickup No.
	Manager Commence		Gel. 5	Hoath		Bulktrk No.
			Poz. Mix	1000	A STATE OF THE STA	Bulktrk No.
		26	Common 2	(solu		Pumptrk No.
			1/4 C.F	Straight of Model Freezest	EQUIPMENT	
(Callinge)	srcom 3%	Cement Amount Ordered 275	Cement Am	ė	Displace	Meas Line
ision of owner agent or contractor.	d supervision of owner	The above was done to satisfaction and superv	The above wa	oint	クナ Shoe Joint	Cement Left in Csg. 20
	State		City		Depth	Tool
			Street		Depth	Tbg. Size
¥		2.500	Charge Ed	385	Depth	Csg. 85%
o work as listed.	er or contractor to do	nd helper to assist own	cementer ar	385	T.D.	Hole Size 10 1/4
t and furnish	cementina equipmen	To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish	To Quality W			Type Job Surface
			Owner			Contractor Mollord
3/45 Finte	county line	nuced us E to	Location Ellinus	14-6	Well No.	Lease Schartz
84:8-51:3		る	Rice	10	6 20	Date 8-16-12
Finish	On Location	State	County	Range	Sec. Twp.	

Quality Well Service, Inc.

324 Simpson St. Pratt, KS 67124

Invoice

Date	Invoice #
7/13/2012	C-593

Bill To	
Edison Operating	
1223 N Rock Rd Wichita, KS 67206	
4	

P.O. No.	Terms	Lease Name
		Schartz #1-A6

Description	Qty	Rate	Amount
Common	110	13.50	1,485.00T
Poz	20	8.50	170.00T
Gel	4	20.50	82.00T
Salt	7	13.00	91.00T
Flo-Seal	12.5	2.00	25.00T
Kol-Seal	400	0.75	300.00T
Mud Flush	500	1.00	500.00T
5 1/2 Turbolizer	7	65.00	455.00T
5 1/2 AFU Float Shoe	1	275.00	275.00T
5 1/2 LD Plug & Baffle	1	225.00	225.00T
Longstring	1	1,750.00	1,750.00
Handling	141	2.10	296.10
.08 * sacks * miles	2,600	0.08	208.00
LMV	20	2.00	40.00
Pump Truck Mileage	20	8.00	160.00
Discount	360.8	-1.00	-360.80T
Discount	245.41	-1.00	-245.41
Discount Expires after 30 days from the date of the invoice		0.00	0.00
Schartz #1-A6			
Rice Co.			
Thoul. Vo. for your hydinged			hadan and a second
Thank You for your business!	Subtotal		\$5,455.89
	Sales Ta	ax (7.3%)	\$237.05
	Total		\$5,692.94

QUALITY WELL SERVICE, INC. Federal Tax I.D. # 481187368

5633

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410 Office / Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

	Sec.	Twp.	Range	(County	State	On Location	Finish	
Date 8-22-12	(0	20	10	R	ice	KS	Section and section	10:00 - 11:00 mg	
Lease School 2	V	Vell No.	1-A6	Location	on Rice C	ounty line	3/4 5 Eini	10	
Contractor Mailord	7	(0)	Option of the	e Hillia	Owner				
Type Job Long Striv	00			in the	To Quality Well Service, Inc.				
Television of the American Control of	C	T.D.	3390	PVID BY	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as list				
Hole Size			3394		Charge Edison Operating				
Csg. 5/2/14 rd Tbg. Size	Depth				Street				
Tool Insert @ 33	74	74 Depth			City State				
Cement Left in Csg.	, , ,	Shoe J	oint 15.69		The above was done to satisfaction and supervision of owner agent or contra				
Meas Line		Displac	00111	00 1060	Cement Amount Ordered 80 SY DTO C				
Weas Line	EQUIP			1010	50 sx	60/40 40/0 a	el 1/4# F/0		
Pumptrk No. 8			Cody		Common &	Ø 116	A SPAIN IN WAR		
Bulktrk No. 9			mike		Poz. Mix Z	20		Professional State (1970)	
Bulktrk No. 5	0.0517187-939		Richard		Gel. 4	e explained greature	maranto nelo	(A.16)	
Pickup No.					Calcium				
JOB SERVICES & REMARKS					Hulls	y a garage	mas at Samebas		
Rat Hole 30					Salt 7	A Part of the second			
Mouse Hole					Flowseal 4	ec+ 12.50	**************************************	5 40 20 0000	
Centralizers				Kol-Seal	1001b	and the second			
Baskets							mud Flush	policy and the last	
D/V or Port Collar					CFL-117 or CD110 CAF 38				
Ran 79 145 04	- 51/2	14/4	rosina		Sand				
hooked up and	mixed	0 50	ogal tilus	h	Handling 4				
with 5 hhl H20	behi	nd -	then mix	ed					
80 sx of Proc	- kn	olked	lose and	on the state of the	FLOAT EQUIPMENT				
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up and dish &				onda	Centralizer	8-	Turbo		
@ 1500 nsi - reli	eased	and	float he	10	Baskets				
				AFU Inserts					
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Approximation of the control of the		es arthroads		Latch Down 1 5 1/2					
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X Signature Bol-Pass	rer		to all bedalant		nin we one		Total Charge		
- 1-1	The state of the s	100	To his observation of the	STEEL STEEL				Taylor Printing, Inc.	



Scale 1:240 (5"=100') Imperial

Well Name: Schartz #1A-6

Location: Sec. 06 - T20S - R10W, Rice County, KS

Licence Number: API No.: 15-159-22695-0000 Region: Chase-Silica

Spud Date: August 16, 2012 Drilling Completed: August 21, 2012

Surface Coordinates: 660' FSL & 660' FWL (C SW SW)

Bottom Hole Coordinates:

Ground Elevation (ft): 1777' K.B. Elevation (ft): 1782'

Logged Interval (ft): 2500' To: 3390' Total Depth (ft): 3388' (LTD)

Formation: Lansing & Arbuckle Type of Drilling Fluid: Chemical Gel/Polymer

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Edison Operating Company, LLC

Address: 1223 N. Rock Road

Building I-100 Wichita, KS 67206

GEOLOGIST

Name: Derek W. Patterson

Company: Valhalla Exploration, LLC

Address: 133 N. Glendale

Wichita, KS 67208

REMARKS

After review of the open hole logs, sample evaluation, and DST results for the Schartz #1A-6, it was decided upon by operator to run 5 1/2" production casing to further evaluate the Arbuckle and multiple Lansing zones encountered while drilling said well.

The well samples were saved, submitted, and will be available for review at the Kansas Geologic Survey's Well Sample Library located in Wichita, KS.

Respectfully Submitted,

Derek W. Patterson

COMMENTS

Please Note: The RTD was 3390' and the LTD 3388'.

The drill time, gas curves, and DST intervals have been shifted 3' shallow/higher to correspond with the electric log curves. All connection and circulation points have also been moved to match the overall shift.

General Information

Service Companies

Drilling Contractor: Mallard, J V - Rig #1

Tool Pusher: Lavon Urban Daylight Driller: Mark Elsen Evening Driller: Justin McDonald Morning Driller: Frank Symank

Relief: Kyle Stout

Gas Detector: Bluestem Environmental

Engineer: Sidney Eldelbrock

Unit: 0279 Operational By: 1930' Drilling Fluid: Mud-Co/Service Mud

Engineer: Rick Hughes

Logging Company: Superior Well Services

Engineer: Jeff Luebbers

Logs Ran: DI, CDNL, Micro, Sonic

Testing Company: Trilobite Testing, Inc.

Tester: Leal Cason

Deviation Survey				
Depth	Survey			
385'	1/2°			
3110'	1°			
RTD - 3390'	1°			

Pip	e Strap
Depth	Pipe Strap
3110'	1.26' Short to Board

				Bit Record				
Bit #	Size	Make	Type	Serial Number	Depth In	Depth Out	Feet	Hours
1	12 1/4"	Smith	RT	RT	0,	385'	385'	4.5
2	7 7/8"	Smith	F-27	PX0863	385'	3390'	3005'	62.5

	Surface Casing
8.16.2012	Ran 9 joints of new 24 #/ft 8 5/8" casing, tallying 378', set @ 385' KB.
	Cemented with 275 sacks common (3% Calcium Chloride, 2% gel). Cement did circulate.
	Plug down @ 2030 hrs 8.16.12.

	Production Casing
8.22.2012	Ran 80 joints of new 15.5 #/ft 5 1/2" production casing, set @ 3389' KB.
24275446629646566	Cemented with 80 sacks Pro C and 50 sacks for rathole/mousehole of 60/40 Poz (7% Calcium Chloride,
	2% gel). Cement did circulate.
	Plug down @ 0955 hrs 8.22.12. By Quality Well Services, Inc.



EDISON OPERATING COMPANYLLE

Daily Drilling Report

Date	7:00 AM Depth	Previous 24 Hours of Operations
8.20.2012	3107'	Drilling and connections Topeka and Heebner. Geologist Derek W. Patterson on location, 0820 hrs 8.19.12. Reset Bloodhound depth to correspond with geolograph. Resume drilling and connections Heebner, Toronto, Douglas, Brown Lime, and into Lansing. Drilling and connections Lansing. CFS @ 3060' (LKC 'D'). Resume drilling and connections Lansing. CFS @ 3089' (LKC 'F'). Resume drilling and connections Lansing. CFS @ 3107' (LKC 'G'). Shows and gas kick warrant DST. CTCH, short trip (30 stands). CTCH, drop survey, strap out for DST #1, 0045 hrs 8.20.12. TIH with tool. Conducting DST #1. Made 298' over past 24 hrs of operations. WOB: 35k RPM: 60-65 PP: 900 SPM: 60 DMC: \$1,485.65 CMC: \$6,895.25
8.21.2012	3281'	Conducting DST #1, test successful. TIH with bit, CTCH, run in premix, resume drilling following DST #1, 1130 hrs 8.20.12. Drilling and connections Lansing. CFS @ 3163' (LKC 'H'). Resume drilling and connections Lansing. CFS @ 3205' (LKC 'J'). Resume drilling and connections Lansing, Base Kansas City, and into Arbuckle. CFS @ 3277' (Arb). CFS @ 3281' (Arb). Shows warrant DST. CTCH, TOH for DST #2, 0055 hrs 8.21.12. TIH with tool. Conducting DST #2. Made 174' over past 24 hrs of operations. WOB: 40k RPM: 60-65 PP: 900 SPM: 60 DMC: \$1,186.60 CMC: \$8,081.85
8.22.2012	RTD - 3390' LTD - 3388'	Conducting DST #2, test successful. TIH with bit, CTCH, resume drilling following DST #2, 1320 hrs 8.21.12. Drilling and connections Arbuckle. CFS @ 3331' (Arb). Resume drilling and connections ahead to RTD of 3390'. RTD reached, 1735 hrs 8.21.12. CTCH, drop survey, TOH for open hole logging operations, 1915 hrs 8.21.12. Rig up loggers. Commence open hole logging operations, 2045 hrs 8.21.12. Open hole logging operations complete, 0030 hrs 8.22.12. Orders received to run 5 1/2" production casing for further evaluation of the Schartz #1A-6. Geologist Derek W. Patterson off location, 0115 hrs 8.22.12. Made 107' over past 24 hrs of operations. WOB: 40k RPM: 60-65 PP: 900 SPM: 60 DMC: \$1,085.15 CMC: \$9,167.00



Well Comparison Sheet

		Drillin	g Well		Comparison Well			Comparison Well				
	Ediso	n Operating	- Schartz	#1A-6	Harv	Harvard Petroleum - Schartz #1			Tatlock J H - Berscheidt 'A' #2			A' #2
		C SV	/ SW		W/2 SW SW			NW SW SW				
	l	Sec. 6 - T2	0S - R10W	(Sec. 6 - T20S - R10W			Sec. 6 - T20S - R10W			
					Oil - L	Oil - LKC 'D/E' Structural			Oil - Arbuckle		Structural	
	1782	KB			1783	KB	Relatio	onship	1783	KB	Relatio	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	2603	-821	2601	-819	57755				2599	-816	-5	-3
King Hill	2702	-920	2699	-917	2698	-915	-5	-2	2697	-914	-6	-3
Queen Hill	2777	-995	2773	-991	2770	-987	-8	-4	2770	-987	-8	-4
Heebner	2866	-1084	2864	-1082	2860	-1077	-7	-5	2860	-1077	-7	-5
Toronto	2888	-1106	2885	-1103	2883	-1100	-6	-3	2883	-1100	-6	-3
Douglas	2895	-1113	2893	-1111	2892	-1109	-4	-2	2892	-1109	4	-2
Brown Lime	2986	-1204	2983	-1201	2982	-1199	-5	-2	2980	-1197	-7	-4
Lansing	3020	-1238	3017	-1235	3015	-1232	-6	-3	3014	-1231	-7	4
LKC 'B'	3033	-1251	3032	-1250	3030	-1247	4	-3	3029	-1246	-5	4
LKC 'D'	3053	-1271	3050	-1268	3046	-1263	-8	-5	3051	-1268	-3	0
LKC 'E'	3070	-1288	3068	-1286	3065	-1282	-6	-4	3064	-1281	-7	-5
LKC 'F'	3079	-1297	3079	-1297	3074	-1291	-6	-6	3076	-1293	4	4
LKC 'G'	3094	-1312	3093	-1311	3090	-1307	-5	-4	3091	-1308	4	-3
Muncie Creek	3146	-1364	3143	-1361	3142	-1359	-5	-2	3139	-1356	-8	-5
LKC 'H'	3155	-1373	3154	-1372	3151	-1368	-5	-4	3150	-1367	-6	-5
Stark	3216	-1434	3212	-1430	3210	-1427	-7	-3	3209	-1426	-8	-4
FKC .K.	3220	-1438	3217	-1435	3216	-1433	-5	-2	3214	-1431	-7	4
Base Kansas City	3259	-1477	3253	-1471	3251	-1468	-9	-3	N/A	N/A	N/A	N/A
Arbuckle	3276	-1494	3273	-1491	3275	-1492	-2	1	(s) 3273	(s) -1490	4	-1
Total Depth	3390	-1608	3388	-1606	3380	-1597	-11	-9	3279	-1496	-112	-110

(s) - Denotes sample top

Please Note: It is recommended that DST intervals be shifted 3' shallow/higher to correspond with the electric log curves.



DRILL STEM TEST REPORT

Edison Operating CO

9427 E Cross Creek Wichita, KS 67206

6-20S-10W Rice

Schartz 1A-6

Job Ticket: 49560

DST#:1

ATTN: Derek Patterson Test Start: 2012.08.20 @ 01:25:14

GENERAL INFORMATION:

Formation: Lansing "G"

Deviated: Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 03:55:29 Tester: Leal Cason Time Test Ended: 08:43:59 Unit No: 45

Interval: 3088.00 ft (KB) To 3110.00 ft (KB) (TVD) Reference Elevations: 1782.00 ft (KB) **CORRECTED**

Total Depth: 3110.00 ft (KB) (TVD) 1777.00 ft (OF) 3085' - 3107' KB to GR/CF: 5.00 ft

7.88 inchesHole Condition: Good Hole Diameter:

Serial #: 6798 Inside

Press@RunDepth: 38.43 psig @ 3089.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2012.08.20 End Date: 2012.08.20 Last Calib.: 2012.08.20 Start Time: 01:25:15 End Time: 08:43:59 Time On Btm: 2012.08.20 @ 03:44:59

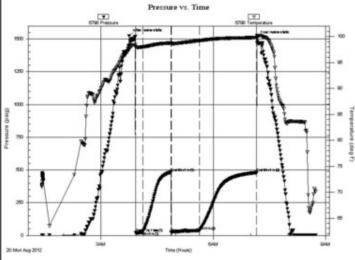
> Time Off Btm: 2012.08.20 @ 07:10:14

TEST COMMENT: IF: Fair Blow, Built to 5 inches

ISI: No Blow Back

FF: Fair Blow, Built to 7 inches

FSI: No Blow Back



		PF	RESSUR	E SUMMARY	
ı	Time	Pressure	Temp	Annotation	
١	(Min.)	(psig)	(deg F)		
- 1	0	1523.06	97.45	Initial Hydro-static	
- 1	11	22.32	97.96	Open To Flow (1)	
- 1	23	30.81	98.02	Shut-In(1)	
٦	67	483.31	98.78	End Shut-In(1)	
o dua	68	21.11	98.60	Open To Flow (2)	
St.	113	38.43	99.23	Shut-In(2)	
(deg F	205	480.35	99.85	End Shut-In(2)	
3	206	1505.52	100.23	Final Hydro-static	
- 1	337800	110000000000	25.0100.70		
١					
- 1					
1					
-					
-					

Recovery

Length (ft)	Description	Volume (bbl)
0.00	199 GIP	0.00
40.00	Mud	0.20

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

Trilobite Testing, Inc. Ref. No: 49560 Printed: 2012.08.20 @ 09:02:22



DRILL STEM TEST REPORT

Edison Operating CO

9427 E Cross Creek Wichita, KS 67206

ATTN: Derek Patterson

6-20S-10W Rice

Schartz 1A-6

Job Ticket: 49561

DST#:2

Test Start: 2012.08.21 @ 01:54:50

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 04:10:20 Tester: Leal Cason
Time Test Ended: 10:37:35 Unit No: 45

Interval: 3252.00 ft (KB) To 3284.00 ft (KB) (TVD) CORRECTED Reference Bevations: 1782.00 ft (KB)

Total Depth: 3284.00 ft (KB) (TVD) 3249'-3281' 1777.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 5.00 ft

Tible Dallieter. 7.00 mones bie condition. Good

Serial #: 6798 Inside

Press@RunDepth: 1101.45 psig @ 3253.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2012.08.21
 End Date:
 2012.08.21
 Last Calib.:
 2012.08.21

 Start Time:
 01:54:51
 End Time:
 10:37:35
 Time On Btm:
 2012.08.21 @ 04:08:35

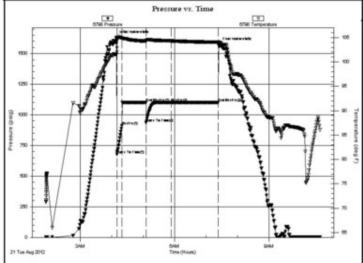
Time Off Btm: 2012.08.21 @ 07:24:50

TEST COMMENT: IF: Strong Blow, BOB in 10 minutes

ISI: No Blow Back

FF: Strong Blow, BOB in 30 seconds

FSI: No Blow Back



	PI	RESSUR	E SUMMARY
Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1631.15	101.53	Initial Hydro-static
2	678.26	102.07	Open To Flow (1)
11	911.91	104.87	Shut-In(1)
57	1101.73	104.32	End Shut-In(1)
58	934.52	104.25	Open To Flow (2)
106	1101.45	104.33	Shut-In(2)
196	1101.85	104.05	End Shut-In(2)
197	1573.48	104.02	Final Hydro-static
3720		24,710,000	

Recovery

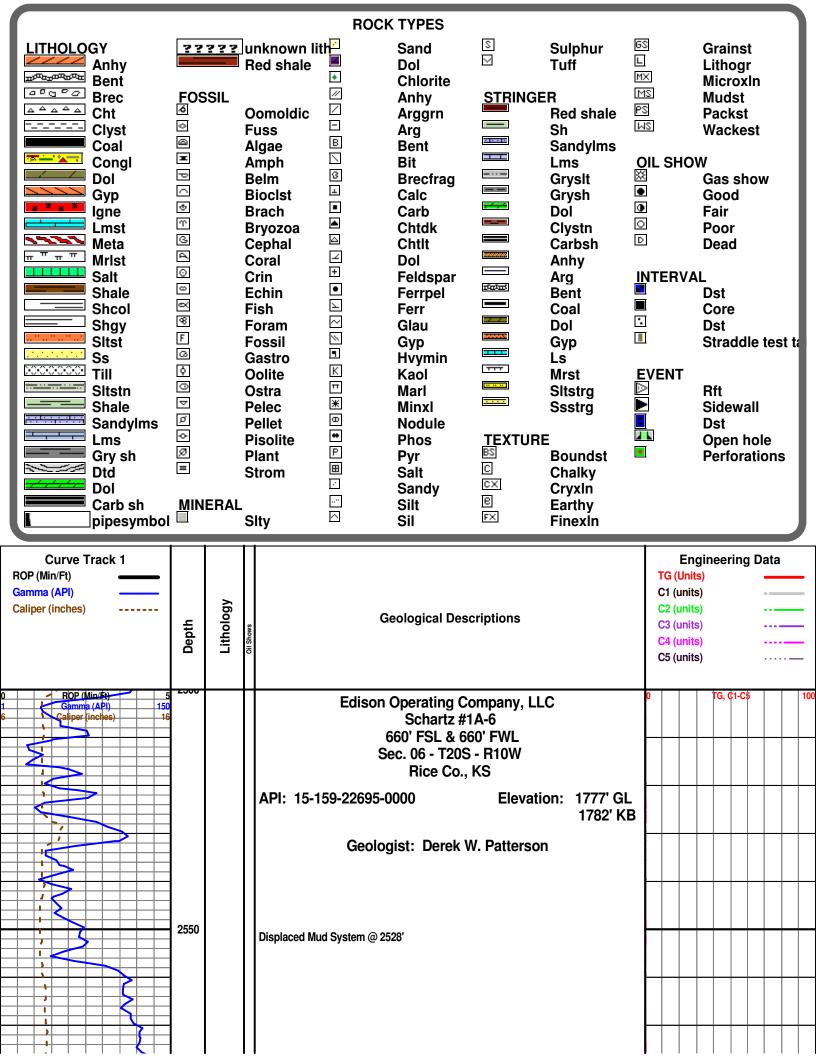
Length (ft)	Description	Volume (bbl)
0.00	180 GIP	0.00
1451.00	Water	18.18
1029.00	GOMOW 10%G 5%O 14%M 71%W	14.43
186.00	GMOOW 15%G 10%M 25%O 50%W	2.61
25.00	MWCO 5%M 5%W 90%O	0.35

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

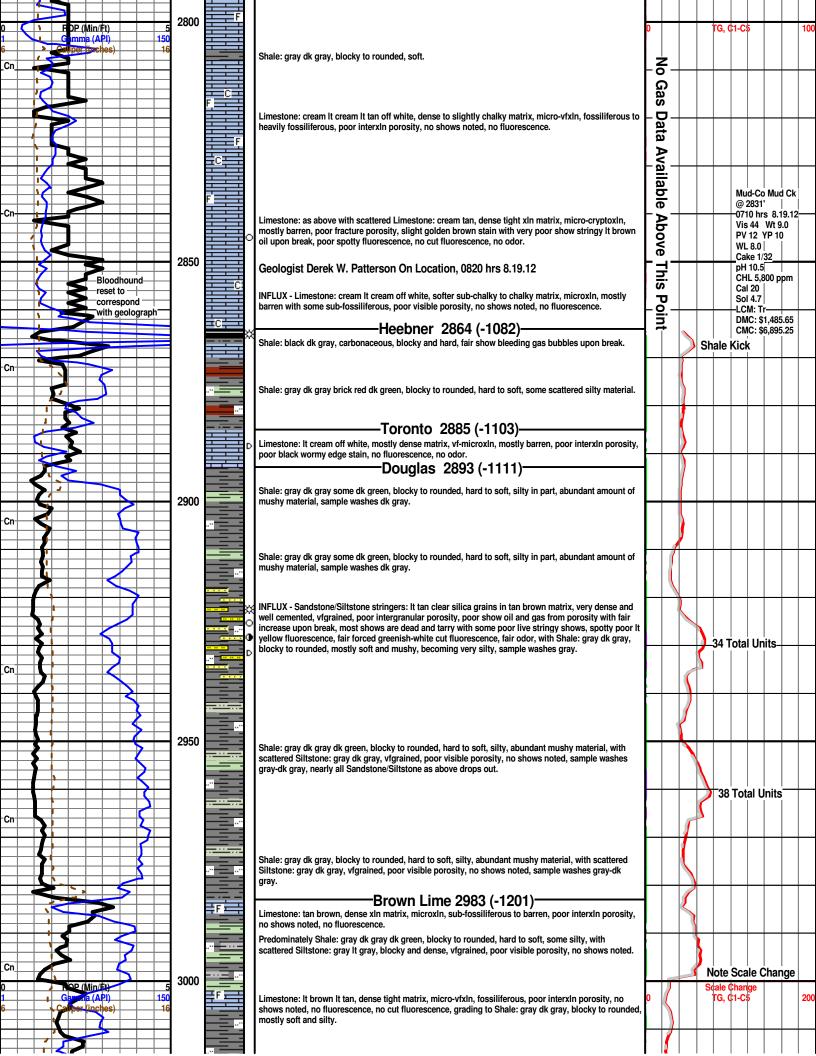
Trilobite Testing, Inc

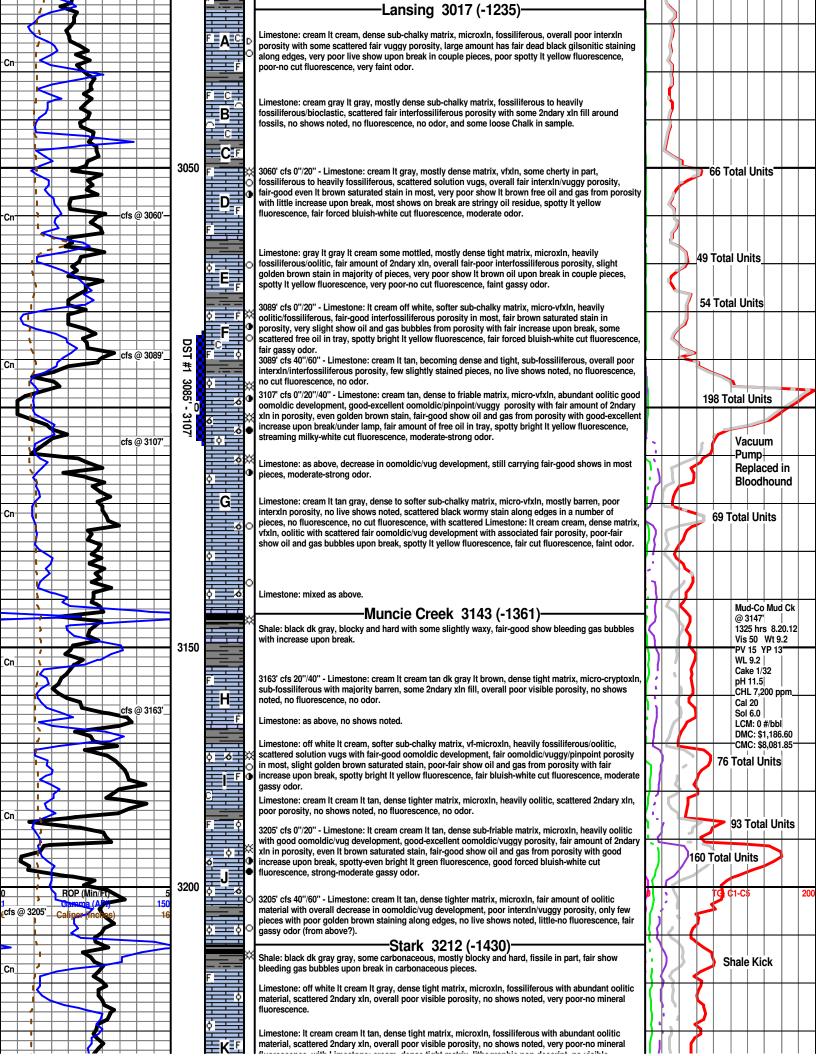
Ref. No: 49561

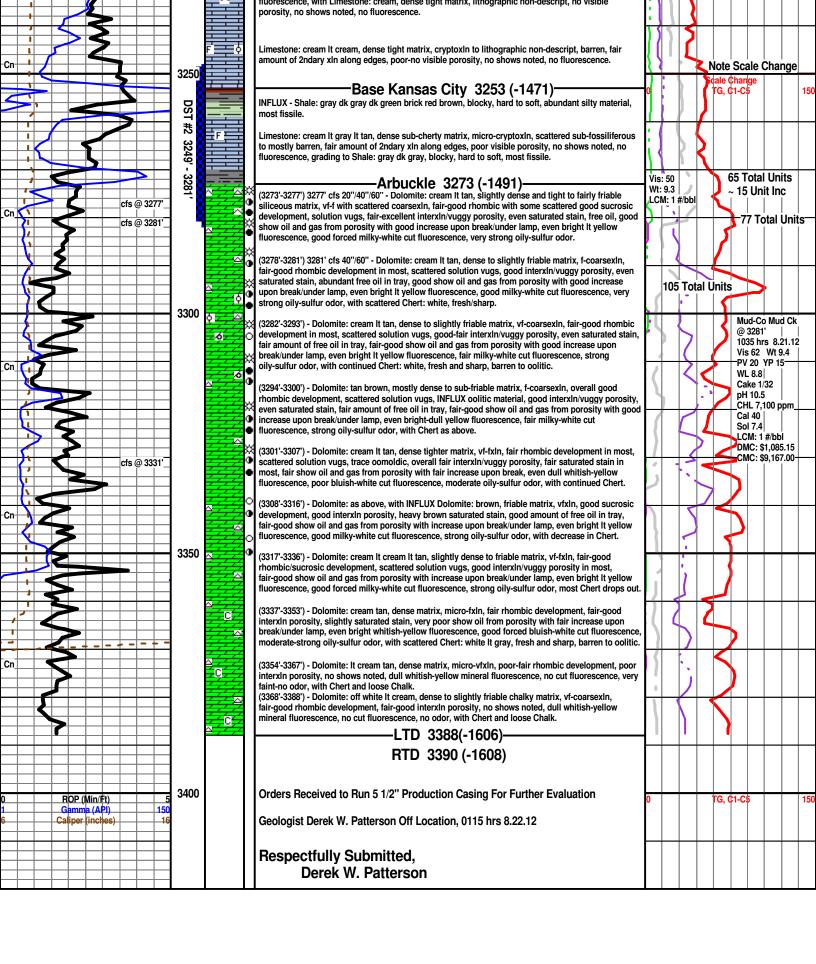
Printed: 2012.08.21 @ 11:31:12



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



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

November 29, 2012

David Withrow Edison Operating Company LLC 9427 E. Cross Creek WICHITA, KS 67206

Re: ACO1 API 15-159-22695-00-00 Schartz 1A-6 SW/4 Sec.06-20S-10W Rice County, Kansas

Dear Production Department:

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

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

Respectfully, David Withrow