Scale 1:240 Imperial

Well Name: ORGAN #17-1

Surface Location: SE NE SE NW SECTION 17 - 6S - 25W

Bottom Location:

API: 15-065-24122

License Number: 33335

Spud Date: 10/31/2016 Time: 12:00 AM

Region: GRAHAM COUNTY KANSAS

Drilling Completed: 11/6/2016 Time: 5:12 AM

Surface Coordinates: 1932' FNL & 2562' FWL

Bottom Hole Coordinates:

Ground Elevation: 2562.00ft K.B. Elevation: 2570.00ft

Logged Interval: 3350.00ft To: 3918.00ft

Total Depth: 3919.00ft

Formation: LANSING - KANSAS CITY

Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

OPERATOR

Company: IA OPERATING, INC.
Address: 9915 W 21ST STREET

SUITE B

WICHITA, KS 67205

Contact Geologist: JONATHAN ALLEN
Contact Phone Nbr: (316) 721-0036
Well Name: ORGAN #17-1

Location: SE NE SE NW SECTION 17 - 6S - 25W

API: 15-065-24122

Pool: Field: WILDCAT

State: KANSAS Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -100.1344235
Latitude: 39-5325632
N/S Co-ord: 1932' FNL
E/W Co-ord: 2562' FWL

BIG CREEK CONSCILING

Company: BIG CREEK CONSULTING, INC.

Address: 1909 MAPLE ELLIS, KS 67637

Phone Nbr: (785) 259-3737

Logged By: GEOLOGIST Name: JEFF LAWLER / STEVE REED

CONTRACTOR

Contractor: DISCOVERY DRILLING

Rig #: 2

Rig Type: MUD ROTARY

 Spud Date:
 10/31/2016
 Time:
 12:00 AM

 TD Date:
 11/6/2016
 Time:
 5:12 AM

 Rig Release:
 11/7/2016
 Time:
 12:00 PM

ELEVATIONS

K.B. Elevation: 2570.00ft K.B. to Ground: 8.00ft

Ground Elevation: 2562.00ft

NOTES

BASED ON POSITIVE RESULTS OF DST #1 AND WELL LOG ANALYSIS THE DECISION WAS MADE TO SET 5.5" # 15 CASING TO FURTHER TEST WELL POTENTIAL.

DRILL STEM TESTING PERFORMED BY DIAMOND TESTERS: TWO (2) TESTS WERE COMPLETED

GEOPHYSICAL WELL LOGGING PERFORMED BY ELI WIRELINE:

COMPENSATED DENSITY/NEUTRON, DUAL INDUCTION, MICRO, AND SONIC LOGS WERE COMPLETED

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					IA OPERATING, INC.				JONES, SHELBURNE, & FARMER				BLUERIDGE PETRO. CORP.				SHIELDS OIL PRODUCERS, INC.											
					SPRING CREEK #18-1				ORGAN #1			SHOEN TRUST #2-22				NOONE #1												
	ORGAN 17-1			N2 S2 SE NE 18-6-25			NE NE NE 17-6-25			SE NW NW NW 22-6-25			NE NW SE 17-6-25															
	KB 2570 GL 2562			КВ		2583				КВ	2582				КВ	KB 2591			KB 2582									
	LOG	TOPS	SAMP	LE TOPS	L	og	L	OG	SN	1PL.	LC	ogs	L	OG	SN	MPL.	LC	ogs	L	OG	SN	ΛPL.	сомі	. CARD	L	OG	S	MPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CC	RR.	co	RR.	DEPTH	DATUM	CC	RR.	cc	ORR.	DEPTH	DATUM	CC	RR.	cc	ORR.	DEPTH	DATUM	CC	RR.	С	ORR.
ANHYDRITE TOP	2152	418	2154	416	2167	416			+	0	2166	416			+	0	2177	414			+	2	2167	415			+	1
BASE	2184	386	2186	384	2199	384			+	0							2209	382	+	4	+	2	2198	384	+	2	+	0
ТОРЕКА	3463	-893	3467	-897	3472	-889	-	4	1	8							3462	-871	-	22	-	26	3440	-858	-	35	-	39
HEEBNER SHALE	3620	-1050	3620	-1050	3628	-1045		5	1	5	3642	-1060	+	10	+	10	3667	-1076	+	26	+	26	3646	-1064	+	14	+	14
TORONTO	3640	-1070	3640	-1070	3650	-1067		3	-	3							3691	-1100	+	30	+	30	3668	-1086	+	16	+	16
LKC	3658	-1088	3660	-1090	3667	-1084		4	- 1	6	3680	-1098	+	10	+	8	3706	-1115	+	27	+	25	3684	-1102	+	14	+	12
вкс	3846	-1276	3848	-1278	3852	-1269	-	7	-	9	3867	-1285	+	9	+	7	3893	-1302	+	26	+	24	3867	-1285	+	9	+	7
TOTAL DEPTH	3918	-1348	3919	-1349	3903	-1320	-	28	-	29	3883	-1301	-	47	-	48	3975	-1384	+	36	+	35	3867	-1285	-	63	-	64



DIAMOND TESTING

P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET FILE: ORGAN#17-1DST#1

TIME ON: 2055 11-4

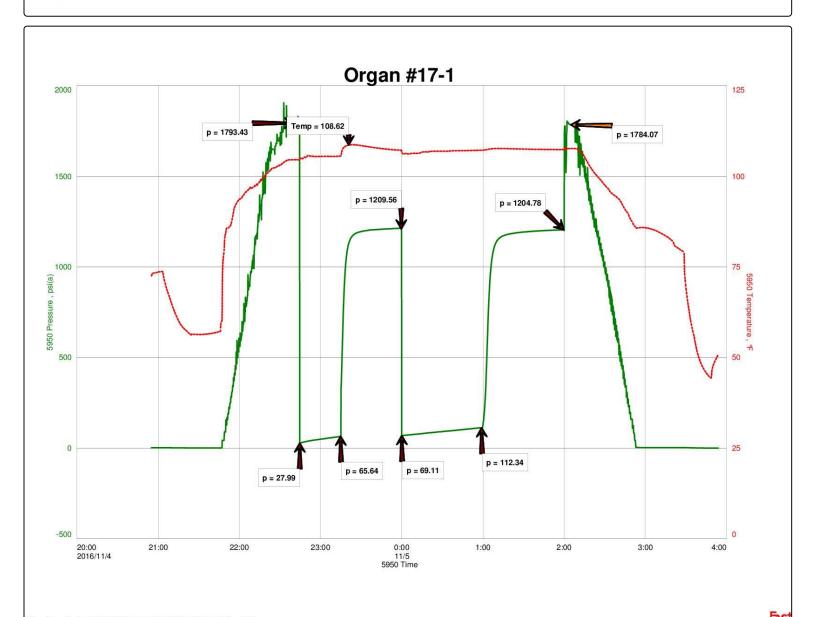
TIME OFF: 0355 11-5

Company_IA	OPERAT	ING		Lease & Well No. ORGAN #17-1									
Contractor D	SCOVERY	DRLG RIG 2		_ Charge to IA OPER	RATING								
Elevation	2570KB	Formation	LANS B-0	G_Effective Pay		Ft. Ticket No	D. P0141						
Date 11-	4-16 Sec	17 Twp	6 S Ra	ange	25 W County	GRAHAM	State_KANS	SAS					
Test Approved	By STEVE R	EED		_ Diamond Representat	tive	Michael Carr	roll						
Formation Te	st No	1 Interval Test	ed from36	666 ft. to	3738 ft. Total	Depth	3738	ft.					
Packer Depth		3661 _{ft. Size6}	3 3/4 in.	Packer depth			3/4 in.						
Packer Depth		3666 ft. Size6	6 3/4 in.	Packer depth	<u> </u>	ft. Size 6	3/4 in.						
Depth of Sele	ctive Zone Se	t											
Top Recorder	Depth (Inside	e)	3651 ft.	Recorder Number	5950	Сар	5000 P.S.I.						
Bottom Recor	der Depth (O	utside)	3703 ft.	Recorder Number_	0230	Сар	5000 P.S.	l.					
Below Stradd	e Recorder D	epth	ft.	Recorder Number_	(Сар	P.S.	1.					
Mud Type	Chem	Viscosity	55	Drill Collar Length_	<u>0</u> fr	. I.D	2 1/4	_in.					
Weight	9.0	Water Loss	7.2cc.	Weight Pipe Length	249	t, I.D	2 7/8	in					
Chlorides			900 P.P.M.	Drill Pipe Length	3384 f	t. I.D	3 1/2	in					
Jars: Make	STERLING	Serial Number	11	Test Tool Length	33 _f	t. Tool Size	3 1/2-IF	in					
Did Well Flow	?	NOReversed Out_	NO	Anchor Length	72(40.5A) ₁	t. Size	4 1/2-FH	in					
Main Hole Siz	e 7 7/8	Tool Joint Size	4 1/2 XH in.	Surface Choke Size	1ir	n. Bottom Ch	noke Size 5/8	in					
Blow 1st Op	en: (TOOL	SLID 3' TO BO	TTOM) 1"BLC	W-BUILT TO	5" IN 30 MIN	NUTES	NOI	BB					

^{2nd Open:}NO BLOW-BUILT TO 11" IN 60 MINUTES

Recovered 30	t. of GAS IN PIPE					CHLOR	IDES 20000 PPM
Recovered 30	t. of HOCM 40%	O 60%M				RW .4	@ 60 DEGREES
Recovered 63	ocm 35%	O 65%M				PH 7	
Recovered 127	ft. of GCOCM 4	%G 28%O	68%M				
Recovered 220	t. of TOTAL FLU	ID				Price Job)
Recovered	ft. of					Other Ch	arges
Remarks: TOOL SAM	MPLE: 30%O 2	25%W 45%	M			Insuranc	e
Time Set Packer(s)	10:45 P.M.	A.M. _P.M. Tii	me Started Off Botto	om	2:00 A.M. A.M. P.M.	Total Maximum Tel	mperature 109
Initial Hydrostatic Pres	sure			(A)_	1793 _{P.S.}	l.	
Initial Flow Period	******	Minutes	30	_(B)_	28 _{P.S.}	I. to (C)	66 P.S.I.
Initial Closed In Period		Minutes	45	(D)_	1210 _{P.S.I}		
Final Flow Period		Minutes	60	(E)_	69 P.S.I	. to (F)	112 _{P.S.I.}
Final Closed In Period.		Minutes	60	(G)	1205 P.S.I		
Final Hydrostatic Press	sure	*********		(H)_	1784 _{P.S.I}	•	

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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DIAMOND TESTING

P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

TIME ON: 1610
TIME OFF: 2120

FILE: ORGAN#17-1DST#2

Company IA OPERATING		_Lease & Well No. ORG	GAN #17-1			
Contractor DISCOVERY DRLG RIG 2		_ Charge to_IA OPERAT	ΓING			
Elevation 2570KB Formation LANS	/KC H-	K_Effective Pay		Ft. Ticket	No. P01	42
Date 11-5-16 Sec. 17 Twp.	6 S R	ange 25	W County	GRAHAM	_ State_ K	ANSAS
Test Approved By STEVE REED		_ Diamond Representative		Michael Ca	ırroll	
Formation Test No. 2 Interval Tested from	37	758 ft. to	3820 ft. Total	Depth	38	320 ft.
Packer Depth 3753 ft. Size 6 3/4 in	1.	Packer depth		ft. Size	6 3/4	in.
Packer Depth 3758 ft. Size 6 3/4 in		Packer depth		_ft. Size	6 3/4	in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside) 3743	3 ft.	Recorder Number	5950	Cap.	5000 P	.S.I.
Bottom Recorder Depth (Outside) 3795	<u>;</u> ft.	Recorder Number				P.S.I.
Below Straddle Recorder Depth	_ft.	Recorder Number				
NATIONAL AND A STATE OF THE STA		Drill Collar Length		t. I.D		
Weight9.0 Water Loss7.4	cc.	Weight Pipe Length_	249	ft. I.D	2 7/8	ir
Chlorides 1100 p.p.	М.	Drill Pipe Length	3481	ft. I.D	3 1/2	ir
Jars: Make STERLING Serial Number NA		Test Tool Length	28	ft. Tool Size	g 3 1/2-IF	= ir
Did Well Flow? NO Reversed Out NO		Anchor Length			4 1/2-F	H_h
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XF	∃_in.	Surface Choke Size_	1i	n. Bottom (Choke Size_	5/8 ir
Blow: 1st Open: 1/4"BLOW-BUILT TO 1" IN 30 M	INUT	ES			NOBE	3
^{2nd Open:} NO BLOW-BUILT TO 1/4" IN 30 MI	INUTI	ES			NOBB	A
Recovered30 ft. of OCM 35%O 65%M						
Recovered 30 ft. of TOTAL FLUID						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of			ji	Price Job		
Recoveredft. of				Other Charge	s	
Remarks: TOOL SAMPLE: 48%O 52%M				nsurance		
				Total		
Time Set Packer(s) 5:40 P.M. A.M. P.M. Time Started	Off Bo	7:40 P.M.	A.M.	mum Temper	ature 1	06
be sectional and the section of the		1550 and 1500 and 150	1861 _{P.S.I.}	nam remper	did/0	
Initial Hydrostatic Pressure	30	(B)	15 _{P.S.I.} to ((C)	20 _{P.S}	J.
Initial Closed In Period	30	(D)	622 _{P.S.I.}	(~/	, .0	
Times Cloude III office	52.80				26	
Final Flow Period Minutes	30	(E)	30 PSI to/	F)	20 p s	1.
Final Flow Period	30	(E)(G)	30 P.S.I. to (F)	26 _{P.S.}	I.

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