NOTES

Company: Webco Oil Company, Inc.

Lease: Alan Woydziak #1

Field: Unknown

Location: SW-NE-NE-NW (382' FNL & 2155' FWL)

Sec: <u>36</u> Twsp: <u>15S</u> Rge: <u>12W</u>

County: Russell State: Kansas

KB: <u>1868'</u> GL: <u>1860'</u>

Contractor: <u>Southwind Drilling</u>, <u>Inc.</u> (Rig #3) Spud: <u>1/19/2017</u> Comp: <u>1/25/2017</u> RTD: <u>3410'</u> LTD: <u>3409'</u>

Mud Up: <u>2500'</u> Type Mud: <u>Chemical</u>

API #: 15-167-24052-00-00

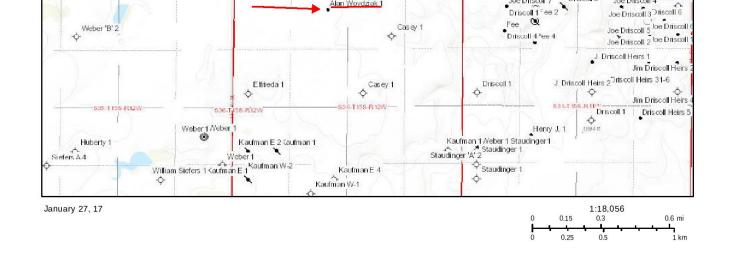
Samples Saved From: 2500' to RTD
Drilling Time Kept From: 2500' to RTD
Samples Examined From: 2500' to RTD
Geological Supervision from: 2500' to RTD

Geologist on Well: Wyatt Urban

Surface Casing: <u>8 5/8@ 462'</u> Production Casing: <u>5 1/2@ 3408'</u>

Electronic Surveys: Logged by ELI: DIL, MEL, CDL/CNL, BHCS

Webco Oil - Alan Woydziak #1 Staudinger 5 Staudinger 1 Driscoll 1 Driscoll 2 G. Staudinger 3 Staudinger 3 Staudinger 1 Staudinger 1 Staudinger 1 Staudinger 1 Staudinger 1 Staudinger 3 Staudinger 1 Staudinger 3 Staudinger 1 Staudinger 3 Staudinger 3 Staudinger 5 Staudinger 7 Staudinger 7 Staudinger 9 St A Driscoll Driscoll 1 A G. Staudinger 1 Staudinger 1 Staudinger 5 Staudinger 1 Staudinger Grace Driscoll Staudinger 1 Staudinger Staudinger 'A' 2 Buehler 4 (Buehler 1 Buehler 7 Casey 1 Casey 1 Woydziak 1 | ** O Woydziak 'B' 1 Staudinger 2 Harrington 1 J. E. Driscoll 1 Woydziak 'B' 1 Buehler 6 Driscoll 'A' 1 Joseph Woydziak (Woydziak B 1) 1 Staudinger 1 Joe Driscoll B'1, Joe Driscoll 'B' 2 Woydziak 1 Staudinger 1 Joe Driscoll 'B n J Driscol



Webco Oil Co. Inc.

		DRILLING	WELL			COMPARISO	ON WELL			COMPARISO	ON WELL	
	WEBCO OIL-ALAN WOYDZIAK				H&D EX	PLORATION	- STAUDI	NGER #1	Yellow Cab- Case #1			1
	SW-NE-NE-NW					W2-SE-SE	-SW			SE-NW-NE		
		36-15S-12	W			25-15S-12	2 W			36-15S-12	2W	
							Struct	tural			Struct	ural
	1868	KB			1863	KB	Relati	onship	1846	KB	Relatio	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	766	1102	762	1106	758	1105	-3	1	740	1106	-4	0
B. Anhydrite	790	1078	789	1079	787	1076	2	3				
Severy	2637	-769	2634	-766								
Topeka	2650	-782	2647	-779								
Heebner	2933	-1065	2929	-1061	2924	-1061	-4	0	2930	-1084	19	23
Toronto	2951	-1083	2947	-1079	2941	-1078	-5	-1	2968	-1122	39	43
Douglas	2963	-1095	2960	-1092	2953	-1090	-5	-2				
Brown Lime	3025	-1157	3021	-1153	3014	-1151	-6	-2	3030	-1184	27	31
Lansing	3037	-1169	3031	-1163	3030	-1167	-2	4	3030	-1184	15	21
Base KC	3295	-1427	3293	-1425	3290	-1427	0	2				
Conglomerate	3315	-1447	3308	-1440	3308	-1445	-2	5				
Arbuckle	3338	-1470	3335	-1467	3352	-1489	19	22	3383	-1537	67	70
RTD	3410	-1542	3410	-1542	3375	-1512	-30	-30	3400	-1554	12	12
LTD	3409	-1541	3409	-1541	3376	-1513	-28	-28				



DIAMOND TESTING

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

DRILL-STEM TEST TICKET
FILE: A.WOYDZIAK#1DST#1

TIME ON: 0635

TIME OFF: 1210

Company	MERCO O	IL COMPA		Lease & Well No. ALAN WOYDZIAK #1										
Contracto	or SOUTHWIN	ID DRILLING	RIG 3	3			Charge to WEBCC	OIL C	OMPANY IN	IC				
Elevation	1860 SURV	EYED Forma	ation		LANS	A-F	_Effective Pay			Ft	. Ticke	t No	P0154	
Date	1-23-17 Se	ec36	Twp.				nge				JSSELL	State	KANSA	AS
Test Appro	oved By WYATT	URBAN					Diamond Representa	itive	1	Mi	chael C	arroll		_
Formatio	n Test No	11	nterval T	ested from_	Tomas Comment	30	27 _{ft. to}	311	15 _{ft.} Total	l De	pth		3115 f	t.
Packer D	epth	3022 _{ft.}	Size_	6 3/4	in.		Packer depth			_ft.	Size_	6 3/4	in.	
Packer D	epth			6 3/4	in.		Packer depth			_ft.	Size_	6 3/4	in.	
Depth of	Selective Zone S	Set												
Top Reco	order Depth (Insi	de)		3	3015 _{ft.}		Recorder Number_		5950	Cap	o	50	00 P.S.I.	
Bottom R	ecorder Depth (Outside)		3	095 _{ft.}		Recorder Number_		0230	_Ca	ip	50	00 P.S.I.	
Below St	raddle Recorder	Depth			ft.		Recorder Number_			Cap	o		P.S.I.	
Mud Type	eChen	1 Viscosi	ty	70			Drill Collar Length_		0	ft.	I.D	2 1	1/4	in.
Weight_	8.8	Water Loss	s	8.0		cc.	Weight Pipe Lengtl	h	0	ft.	I.D	2 7	7/8	in
Chlorides				2300	P.P.M.		Drill Pipe Length _		3002			3 1	1/2	in

Jars: MakeSTERI	LING	Serial Nu	mber	NA	Test T	ool Length		25 _{ft.}	Tool Size	3 1/2-IF	_ in
Did Well Flow?	NO	Rev	ersed Out	NO	Ancho	r Length	88(2	5.5A) _{ft.}	Size	4 1/2-FH	ir
Main Hole Size 7 7	7/8	Tool	Joint Size	4 1/2 XH in.	Surfac	e Choke Size_	1	in.	Bottom Ch	oke Size_5/8	ir
Blow: 1st Open: 1/4'	'BLOV	V-BUIL	T TO 2 1	'2" IN 30 MII	NUTE	S				NOBB	
2nd Open:WS	B-BUII	T TO 1	1/4" IN 4	5 MINUTES						NOBB	
Recovered 35	ft. of MU	D 100%	M WITH A T	RACE OF OIL >	- 1% OI	L					
Recovered 35	ft. of TO	TAL FLUI	D								
Recovered	ft. of										
Recovered	ft. of										
Recovered	ft. of							Prio	e Job		
Recovered	ft. of							Oth	er Charges		
Remarks: TOOL SA	MPLE:8	3%O 92°	%M		_			Insu	ırance		-
								Tota	al		
Time Set Packer(s)	8:20	A.M.	A.M. _P.M. Tii	ne Started Off Bo	ottom	10:50A.M.	A.M. P.M.	Maximur	m Temperat	_{ure} 97	
Initial Hydrostatic Pres	sure				(A)_		1453 P.S	i.l.			
Initial Flow Period			Minutes	30	(B)_		13 _{P.8}	6.I. to (C)	The state of the s	20 P.S.I.	
Initial Closed In Period	1		Minutes	30	(D)		785 P.S	i.l.			
Final Flow Period			Minutes	45	(E)_		22 P.S	.I. to (F)_		28 _{P.S.I.}	
Final Closed In Period	* * * * * * * * * * * * * * * * * * *		Minutes	45	(G)_		765 _{P.S}	.1.			
Final Hydrostatic Pres	sure				(H)		1433 _{P.S}	.1.			



Recovered___

_ft. of _

DIAMOND TESTING

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

DRILL-STEM TEST TICKET FILE: A.WOYDZIAK#1DST#2 TIME ON: 2255 1-23

TIME OFF: 0415 1-24

		/	FILE: A.VV	UYDZIAK#TDST#Z				
Company_W	EBCO OII	L COMPANY INC		Lease & Well No. Al	AN WOYDZIAK #1			
Contractor S	OUTHWINE	DRILLING RIG 3		Charge to WEBCO	OIL COMPANY INC			
Elevation 18	360 SURVE	YED Formation		H-J Effective Pay		t. Ticket N	o. P015	5
Date 1-2	3-17 Sec	. 36 Twp.		Range				NSAS
	By WYATT U					ichael Car		
Formation Te	st No	2 Interval Teste	ed from	3184 _{ft. to}	3240 ft. Total De	epth	324	10 ft.
Packer Depth		3179 _{ft. Size6}	3/4 in.	Packer depth	ft	Size 6	5 3/4 ii	n.
Packer Depth			3/4 in.	Packer depth	ft	. Size 6	6 3/4 ir	n.
Depth of Sele	ctive Zone Se							
Top Recorder	Depth (Inside	e)	3172 ft.	Recorder Number_	5950 Ca	ар	5000 p.s	3.I.
Bottom Reco	rder Depth (O	utside)	3221 ft.	Recorder Number_	0230 _C		5000 P.S	S.I.
Below Stradd	le Recorder D	epth	ft.	Recorder Number_		ар	P.S	S.I.
Mud Type	Chem	Viscosity	58	Drill Collar Length			2 1/4	in
Weight	9.1	Water Loss	8.0	cc. Weight Pipe Length	0 _{ft.}	I.D	2 7/8	ir
Chlorides			2000 P.P.M.	Drill Pipe Length	3159 ft.	I.D	3 1/2	in
Jars: Make_	STERLING	Serial Number	NA	Test Tool Length	25 _{ft.}	Tool Size	3 1/2-IF	in
Did Well Flow	?	NO Reversed Out_	NO	Anchor Length	56(24.5A) ft.	Size	4 1/2-FH	ir
Main Hole Siz	e 7 7/8	Tool Joint Size_	4 1/2 XH ir	n. Surface Choke Size	in,	Bottom C	hoke Size_5/	/8 in
Blow: 1st Op	en:WSB-B	UILT TO 1/4" IN	30 MINUTE	S			NOE	3B
The state of the s	The selection of the se	OW-NO BUILD					NO	OBB
Recovered_	⁵ ft. of	SLOCM 1%O 99%M						
Recovered_	5 ft. of	TOTAL FLUID						
_								

Recovered	ft. of								
Recovered	ft. of							Price Job	
Recovered	ft. of							Other Cha	arges
Remarks: TOOL S	AMPLE:2%O 98	3%M						Insurance	
								Total	
Time Set Packer(s)	12:12 A.M.	A.M. _P.M. Time	Started Off Botto	m	2:57 A.M.	A.M P.M		ximum Tem	perature 99
Initial Hydrostatic Pr	essure	***************************************		. (A)_		1538	P.S.I.		
Initial Flow Period	*************	Minutes	30	_(B)_		11	P.S.I. t	o (C)	12 _{P.S.I.}
Initial Closed In Per	od	Minutes	30	(D)			P.S.I.	240000000000000000000000000000000000000	
Final Flow Period		Minutes	45	_(E)_		12	P.S.I. to	o (F)	13 _{P.S.I.}
Final Closed In Peri	od	Minutes	60	_(G)_			P.S.I.		
Final Hydrostatic Pr	essure	***************************************		(H)		1529	P.S.I.		



DIAMOND TESTING

P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313 TIME ON: 1755 1-24
TIME OFF: 0025 1-25

DRILL-STEM TEST TICKET
FILE: A.WOYDZIAK#1DST#3

	DZIAK#1DST#3
Company WEBCO OIL COMPANY INC	Lease & Well No. ALAN WOYDZIAK #1
Contractor SOUTHWIND DRILLING RIG 3	Charge to WEBCO OIL COMPANY INC
Elevation 1860 SURVEYED Formation ARBUCKLI	Effective PayFt. Ticket NoP0156
	ange12 W CountyRUSSELL_State_KANSAS
Test Approved By WYATT URBAN	Diamond Representative Michael Carroll
	90 ft. to3347 ft. Total Depth3347 ft.
Packer Depth 3285 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4in.
Packer Depth 3290 ft. Size 6 3/4 in.	Packer depthft. Size6 3/4in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3278 ft.	Recorder Number
Bottom Recorder Depth (Outside)ft.	Recorder Number 0230 Cap. 5000 P.S.I.
Below Straddle Recorder Depthft.	Recorder NumberCapP.S.I.
Mud Type Chem Viscosity 49	Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.8 cc.	Weight Pipe Length0 ft. I.D2 7/8 in
Chlorides	Drill Pipe Length 3265 ft. I.D 3 1/2 in
Jars: Make STERLING Serial Number NA	Test Tool Length 25 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO	Anchor Length57(25.5A) ft. Size4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open:1"BLOW-BUILT TO BOB IN 4 MINUT	ES 22 SECONDS NOBB
2nd Open: 1"BLOW-BUILT TO BOB IN 5 MINUTES	10 SECONDS NOBB
Recovered 10 ft. of CLEAN OIL GRAVITY 36 @ 60 DEGRE	EES CHLORIDES 16000 PPM
Recovered 378 ft. of SLGCOCMCW 4%G 30%O 41%W 25%	M RW .63 @ 50 DEGREES
Recovered630_ft. of MCOCW 20%O 67%W 13%M	PH 7
Recovered126_ft. of MCW 89%W 11%M	
Recovered 1144 ft. of TOTAL FLUID	Price Job
Recoveredft. of	Other Charges
Remarks: TOOL SAMPLE: 2%O 98%W	Insurance
	Total
Time Set Packer(s) 7:40 P.M. A.M. P.M. Time Started Off Bo	ttom10:25 P.M. A.M. Maximum Temperature113
Initial Hydrostatic Pressure	(A) 1595 P.S.I.
Initial Flow Period	(B) 31 P.S.I. to (C) 237 P.S.I.

				OTHER	SYMBOL	S	
, ,	Dolprim		shale, grn		arbon Sh		
· • · · · ·	Chtcongl		Lmst fw<7	s	hale, gry	shale, red	
				ROCK	TYPES		
r	Diamond Taeting eh	all not be liable for dam	same of any kind to the aron	erty or nersonnel of	he one for whom	a test is made or for any loss suffered or sustaine	d directly or indirectly through
Final	I Hydrostatic P	ressure			(H)	1581 _{P.S.I.}	
Final	I Closed In Pe	riod	Minutes_	60	(G)	1072 _{P.S.I.}	
Final	I Flow Period		Minutes_	45	(E)	240 P.S.I. to (F)	481 _{P.S.I.}
Initia	al Closed In Pe	riod	Minutes_	30	(D)	1070 P.S.I.	

