



Pumping Service Report

9204355

Client Name Synergy Oil & Gas, L.P.	Well Name Conrad 44-1GHZ	Rig Ensign Drilling Inc. 131	Job Date May 23,2015	Call Sheet 1057938
Client Representative Sean Devereaux	Surface Well Location Sec 1:T6N:R59W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Lopez, Armando (29064)

Well Profile

Well Type:	Oil
Maximum Treating Pressure (psi):	---
Predicted Bottom Hole Static Temperature (°F):	--- @ --
Bottom Hole Circulating Temperature (°F):	--- @ --
Bottom Hole Logged Temperature (°F):	--- @ --

Open Hole

<u>Size (in)</u>	<u>Excess (%)</u>	<u>TMD From (ft)</u>	<u>TMD To (ft)</u>	<u>TVD From (ft)</u>	<u>TVD To (ft)</u>
13.500	50.000	0.000	1,571.000	--	--

Casing

<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>
<u>(in)</u>	<u>(lb/ft)</u>		<u>(psi)</u>	<u>(psi)</u>	<u>(bbl)</u>	<u>(in)</u>	<u>(in)</u>	<u>(ft)</u>	<u>(ft)</u>
9.625	36.000	J-55	2,020.0	3,520.0	120.29	8.921	10.625	0.0	1,556.0

Products

Stage 1

From Depth (ft): 0
To Depth (ft): 1556

Acids/Blends/Fluids :

Tail: 645 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 200 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 70
+ 2 % of Gypsum (Preblend),
+ 2 % of CaCl₂ (Preblend),
+ 2 % of SMS (Preblend)

Stage 2

From Depth (ft):
To Depth (ft):

Acids/Blends/Fluids :

Extra Cement: 1 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 1 (bbl)
+ 2 % of CaCl₂ (Prehydrate)

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>
Water	--	--	--	--	May 23, 2015 08:26

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

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Attachment & Tools

Down Hole Tools

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Guide Shoe	1,556.000	Third Party
Guide/Float Shoe	1,513.000	Third Party

Tubular Plugs

<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>
Rubber Bottom	9.625	Sanjel
Rubber Top	9.625	Sanjel

Units & Personnel

Units

<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
201009	PICKUP	1 Ton	449093	TRAILER	Utility Trailer	05/23/2015 12:00	05/24/2015 01:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	05/23/2015 12:00	05/24/2015 01:30
446167	TRAILER	Bulker	746167	TRACTOR	Tandem - Tractor	05/23/2015 12:00	05/24/2015 01:30
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	05/23/2015 12:00	05/24/2015 01:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Lopez, Armando (29064)	05/23/2015 12:00	05/24/2015 01:30		
Schroeder, Stephen (25442)	05/23/2015 12:00	05/24/2015 01:30		
Young, Craig (27496)	05/23/2015 12:00	05/24/2015 01:30		
Phillips, James (23627)	05/23/2015 12:00	05/24/2015 01:30		
Melgarejo Herrera, Eduardo (26606)	05/23/2015 12:00	05/24/2015 01:30		

Treatment Reports & Remarks



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Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	May 23,2015 12:00	Arrive On Location		--	--	--	--	0.00
2	May 23,2015 12:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	May 23,2015 20:30	Rig in Complete		--	--	--	--	0.00
4	May 23,2015 21:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	May 23,2015 22:13	Start - Fluid	Water	2.00	40.0	--	2.00	2.00
		Remarks: Fill lines						
6	May 23,2015 22:14	Pressure Test Start		--	3,000.0	--	--	0.00
7	May 23,2015 22:16	Pressure Test Complete		--	--	--	--	0.00
8	May 23,2015 22:17	Pump Spacer	Water	5.00	100.0	--	10.00	12.00
9	May 23,2015 22:20	Pump Spacer	Water	5.00	100.0	--	10.00	22.00
		Remarks: Water with red dye						
10	May 23,2015 22:24	Mix Cement	Control Set C	5.00	170.0	--	200.00	222.00
		Remarks: Pumped 645 sacks Density 13.5 Yierld 1.74 Water 9.17						
11	May 23,2015 23:05	Drop Plug		--	--	--	--	222.00
		Remarks: Sanjel plug						
12	May 23,2015 23:09	Displace Fluid	Water	6.00	140.0	--	118.00	340.00
13	May 23,2015 23:41	Bump Plug		--	--	--	--	340.00
		Remarks: Before plug landed pressure was 710 psi landed plug with 1260 psi. Gaood returnd throughout job						
14	May 23,2015 23:48	Check Float		--	--	--	--	340.00
		Remarks: Got 1 bbl back						
15	May 23,2015 23:51	Pressure Test		--	1,500.0	--	--	340.00
		Remarks: Pressure test casing to 1500 psi for 10 min						
16	May 24,2015 00:01	Stop		--	--	--	--	0.00
		Remarks: Got 59 bbls 190 sacks of cement back to surface						
17	May 24,2015 00:10	Wash		--	--	--	--	0.00
18	May 24,2015 00:40	Rig Out		--	--	--	--	0.00
19	May 24,2015 01:10	Job Complete		--	--	--	--	0.00
20	May 24,2015 01:15	Pre-Departure Meeting		--	--	--	--	0.00
21	May 24,2015 01:30	Leave Location		--	--	--	--	0.00



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Did Float Hold: Yes
Fluid Returns : Yes
Type : Cement
Volume (bbl) : 59
Temperature (°F) : 70
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

57947

57948

57949