

CEMENT JOB REPORT



| | | | | | | | |
|---|----------|--|------------------|---|----------------------------|---|----------------|
| CUSTOMER SYNERGY RESOURCES COR | | DATE 08-DEC-11 | F.R. # 656810019 | | SERV. SUPV. RYAN R STEVENS | | |
| LEASE & WELL NAME MARGIL #13-34D - API 05123341180000 | | LOCATION 34-4N-68W | | COUNTY-PARISH-BLOCK Weld Colorado | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # ENSIGN 33 | | TYPE OF JOB Long String | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD TVD HANGER TYPES MD TVD | |
| Cement Plug, Rubber, Top 4-1/2 in | | Float Collar, Al Flap, 4-1/2 - 8rd | | — | | — — — — — | |
| — | | Float Shoe 4-1/2 - 8rd | | — | | — — — — — | |
| | | Centralizer, with Pins, 4-1/2 in | | | | | |
| MATERIALS FURNISHED BY BJ | | LAB REPORT NO. | | PHYSICAL SLURRY PROPERTIES | | | |
| | | | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ³ | |
| 50:50+.4%FL-52+3%Gel+.1%SMS+20%SF | | — | | 285 | 13.5 | 1.71 | |
| ClayCare Water | | — | | 0 | 8.34 | 0 | |
| PL+.25#/skCF+.4%FL-52+3%Gel | | — | | 750 | 12.5 | 1.89 | |
| Fresh Water | | — | | 0 | 8.34 | 0 | |
| Mud Clean II | | — | | 0 | 8.34 | 0 | |
| Freshwater | | — | | 0 | 8.34 | 0 | |
| Available Mix Water 800 Bbl. | | Available Displ. Fluid 400 Bbl. | | TOTAL | | 518.98 237.52 | |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD TVD GRADE |
| 7.875 | 0 | 8125 | 4 | 4.5 | 11.6 | CSG | 8113 8113 N-80 |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | | TOP CONN | |
| ID | OD | WGT | TYPE | MD | TVD | WELL FLUID | |
| 8.1 | 8.63 | 24 | CSG | 650 | 650 | No liner — 0 0 4.5 8RD WATER BASED 9.5 | |
| DISPL. VOLUME | | DISPL. FLUID | | CAL. PSI | | CAL. MAX PSI | |
| VOLUME | UOM | TYPE | WGT. | BUMP PLUG | TO REV. | SQ. PSI | RATED |
| 127.5 | BBLS | ClayCare Water | 8.34 | 1759 | 0 | 0 | 0 |
| Circulation Prior to Job | | Circulation Time: 1 | | Circulation Rate: 6 BPM | | | |
| Circulated Well: Rlg <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | Mud Density In: 9.5 LBS/GAL | | Mud Density Out: 9.5 LBS/GAL | | PV & YP Mud In: 0 | |
| Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> | | Units: | | Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> | | | |
| Displacement And Mud Removal | | | | | | | |
| Displaced By: Rlg <input type="checkbox"/> BJ <input checked="" type="checkbox"/> | | Amount Bled Back After Job: 1.5 BBLS | | | | | |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL | | Method Used to Verify Returns: Visual | | | | | |
| Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | |
| Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | Quantity: 35 | | Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID | | | |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD | | | | | | | |
| Plugs | | | | | | | |
| Number of Attempts by BJ: 0 | | Competition: 0 | | Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | Quantity: | |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | |
| Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | Top of Plug: 0 FT | | Bottom of Plug: 0 FT | | | |
| Squeezes (Update Original Treatment Report for Primary Job) | | | | | | | |
| BLOCK SQUEEZE <input type="checkbox"/> | | SHOE SQUEEZE <input type="checkbox"/> | | TOP OF LINER SQUEEZE <input type="checkbox"/> | | PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/> | |
| Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | PSI Applied: 0 | | Fluid Weight: 0 LBS/GAL | |
| Casing Test (Update Original Treatment Report for Primary Job) | | | | | | | |
| Casing Test Pressure: 0 PSI | | With 0 LBS/GAL Mud | | Time Held: 00 Hours 00 Minutes | | | |

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Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
 None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 None

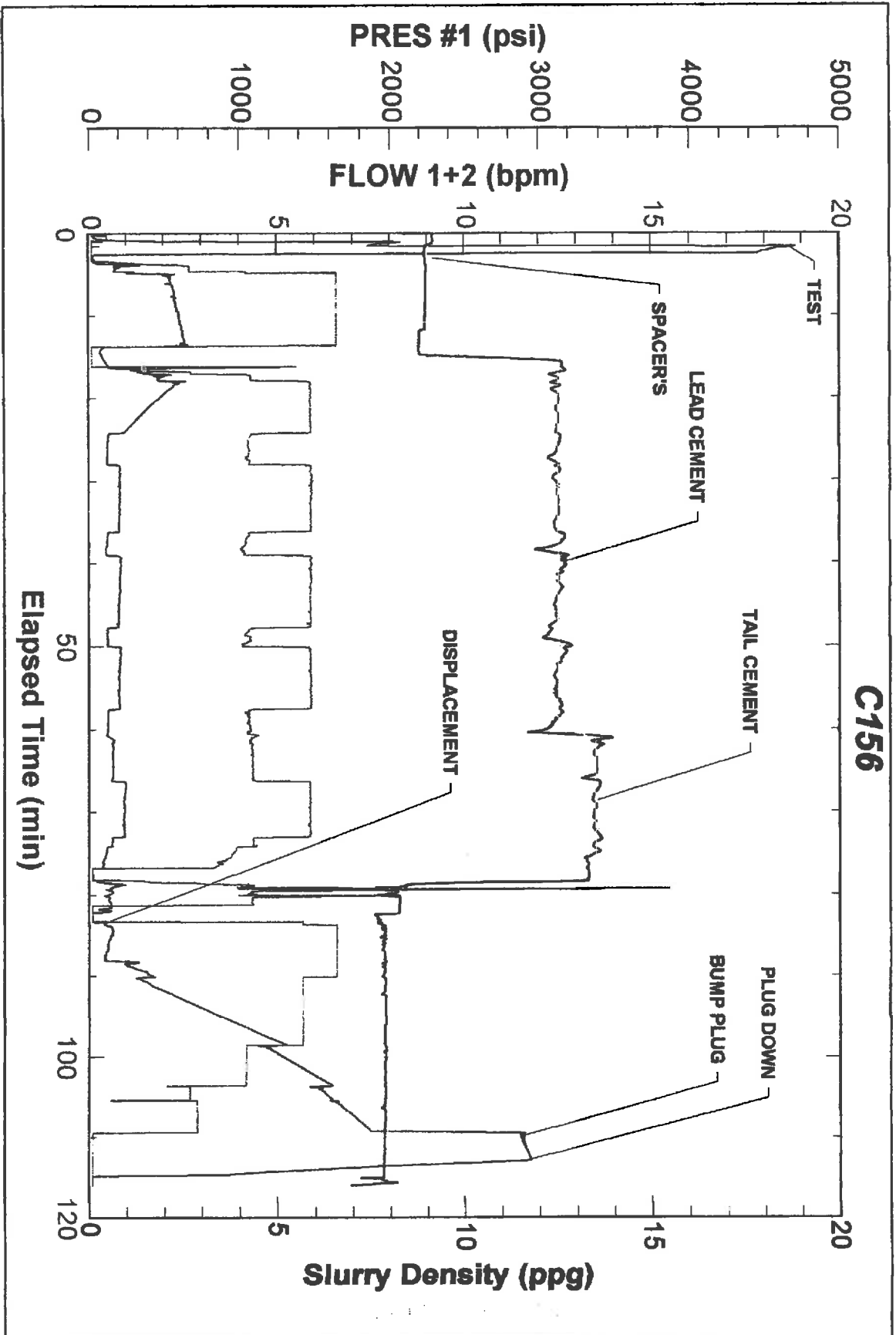
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 None

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

| PRESSURE/RATE DETAIL | | | | | | EXPLANATION | |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|---|-------------------------------|
| TIME HR:MIN. | PRESSURE - PSI | | RATE BPM | Bbl. FLUID PUMPED | FLUID TYPE | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> | |
| | PIPE | ANNULUS | | | | TEST LINES 4737 PSI | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | |
| 22:00 | 0 | 0 | 0 | 0 | N/A | YARD CALL | |
| 03:00 | 0 | 0 | 0 | 0 | N/A | TIME ARRIVED ON LOCATION (30 MILES) | |
| 05:40 | 0 | 0 | 0 | 0 | N/A | PRE RIG UP SAFETY MEETING | |
| 06:30 | 0 | 0 | 0 | 0 | N/A | PRE JOB SAFETY MEETING | |
| 07:05 | 4737 | 0 | 0 | 0 | WATER | PRESSURE TEST PUMPS AND LINES | |
| 07:11 | 541 | 0 | 6.5 | 20 | WATER | FRESH WATER SPACER | |
| 07:13 | 552 | 0 | 6.5 | 20 | WATER | MUD CLEAN II SPACER | |
| 07:16 | 587 | 0 | 6.5 | 20 | WATER | FRESH WATER SPACER | |
| 07:22 | 335 | 0 | 5.8 | 240 | CEMENT | BATCH UP, WEIGH AND PUMP 750 SXS OF PLC + .25 lbs/sack Cello flake + 0.4% fl-52 + 3% Bentonite @ 12.5 PPG | |
| 08:06 | 224 | 0 | 5.8 | 76 | CEMENT | BATCH UP, WEIGH AND PUMP (50:50) Poz:G + 0.4% FL-52 + 3% Bentonite + 0.1% SM + 20% S-8 @ 13.5 PPG | |
| 08:22 | 0 | 0 | 0 | 0 | N/A | DROP PLUG/ WASH PUMPS AND LINES | |
| 08:29 | 408 | 0 | 6.5 | 40 | WATER | START DISPLACEMENT WITH CLAY CARE WATER | |
| 08:36 | 1113 | 0 | 5.6 | 50 | WATER | DROP RATE | |
| 08:44 | 1553 | 0 | 4.1 | 20 | WATER | DROP RATE | |
| 08:50 | 1844 | 0 | 2.8 | 16 | WATER | DROP RATE | |
| 08:56 | 2882 | 0 | 2.8 | 128 | WATER | BUMP PLUG | |
| 09:00 | 0 | 0 | 0 | 0 | WATER | CHECK FLOATS | |
| 09:01 | 0 | 0 | 0 | 0 | N/A | PRE RIG DOWN SAFETY MEETING | |
| 09:40 | 0 | 0 | 0 | 0 | N/A | TIME OFF LOCATION | |
| BUMPED PLUG | PSI TO BUMP PLUG | TEST FLOAT EQUIP. | BBL.CMT RETURNS/ REVERSED | TOTAL BBL. PUMPED | PSI LEFT ON CSG | SPOT TOP OUT CEMENT | Service Supervisor Signature: |
| <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 2882 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 0 | 502 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |



BJ Services JobMaster Program Version 3.50
Job Number: 656610019
Customer: Synergy
Well Name: MargII 13-34D





Report Printed on December 8, 2013 4:00 AM

FIELD RECEIPT NO. 666610019



| | | | | | | | | | | | |
|--|--|--|--|---------------------|--------------------|--------------------|------------|-----------------|--|----------------|--|
| CUSTOMER | | SYNERGY RESOURCES CORP | | CREDIT APPROVAL NO. | | PURCHASE ORDER NO. | | CUSTOMER NUMBER | | INVOICE NUMBER | |
| MAIL | | STREET OR BOX NUMBER | | CITY | | STATE | | ZIP CODE | | | |
| INVOICE TO : | | 20203 HWY 60 PO BOX 80851 | | Pattersonville | | Colorado | | 80851 | | | |
| DATE WORK COMPLETED | | MO. | DAY | YEAR | BHI REPRESENTATIVE | WELL API NO: | | WELL TYPE : | | | |
| 12 08 2011 | | RYAN R STEVENS | | 0512334180000 | | New Well | | | | | |
| DISTRICT | | BRIGHTON | | JOB DEPTH (ft) | | WELL CLASS : | | | | | |
| WELL NAME AND NUMBER | | MARGIL #13-34D | | TD WELL DEPTH (ft) | | GAS USED ON JOB : | | | | | |
| WELL LOCATION : | | LEGAL DESCRIPTION | | COUNTY/PARISH | | STATE | | JOB TYPE CODE : | | | |
| 34-4N-68W | | Weld | | Colorado | | Long String | | | | | |
| PRODUCT CODE | DESCRIPTION | UNIT OF MEASURE | QUANTITY | LIST PRICE UNIT | GROSS AMOUNT | % DISC. | NET AMOUNT | | | | |
| A152 | Personal Per Diem Chrg - Cement Svc | ea | 1 | 161.500 | 161.50 | 0% | 161.50 | | | | |
| M100 | Bulk Materials Service Charge | cu ft | 1155 | 4.170 | 4,816.35 | 59% | 2,022.87 | | | | |
| | | | SUB-TOTAL FOR Service Charges | | 4,977.85 | 56.12% | 2,184.37 | | | | |
| F089A | Cement Pumping, 8001 - 9000 ft | hrs | 1 | 9,125.000 | 9,125.00 | 59% | 3,832.50 | | | | |
| F090 | Fuel per pump charge - cement | pump/hr | 4 | 61.000 | 244.00 | 0% | 244.00 | | | | |
| J050 | Cement Head | job | 1 | 635.000 | 635.00 | 59% | 266.70 | | | | |
| J225 | Data Acquisition, Cement, Standard | job | 1 | 1,635.000 | 1,635.00 | 59% | 686.70 | | | | |
| J390 | Mileage, Heavy Vehicle | miles | 60 | 9.100 | 546.00 | 59% | 229.32 | | | | |
| J391 | Mileage, Auto, Pick-Up or Treating Van | miles | 60 | 5.150 | 309.00 | 59% | 129.78 | | | | |
| | | | SUB-TOTAL FOR Equipment | | 12,494.00 | 56.87% | 5,389.00 | | | | |
| J401 | Bulk Delivery, Dry Products | ton-mi | 1434 | 3.030 | 4,345.02 | 59% | 1,824.91 | | | | |
| | | | SUB-TOTAL FOR Freight/Delivery Charges | | 4,345.02 | 56.00% | 1,824.91 | | | | |
| | | | FIELD ESTIMATE | | 62,537.36 | 57.78% | 26,403.46 | | | | |
| ARRIVE LOCATION : | | MO. | DAY | YEAR | TIME | | | | | | |
| 12 08 2011 | | 03:00 | | | | | | | | | |
| CUSTOMER REP. | | Craig Hope | | | | | | | | | |
| SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS | | SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. | | | | | | | | | |
| CUSTOMER AUTHORIZED AGENT | | <input checked="" type="checkbox"/> <i>Craig S. Meyer</i> BHI APPROVED | | | | | | | | | |