

The Road to Excellence Starts with Safety

Sold To #: 352431		Ship To #: 3008551		Quote #:		Sales Order #: 900607900	
Customer: CONOCO/PHILLIPS COMPANY EBUSINESS				Customer Rep: Evens, Wes			
Well Name: Zukowski			Well #: 17-1H			API/UWI #: 05005072080000	
Field: WILDCAT		City (SAP): AURORA		County/Parish: Arapahoe			State: Colorado
Legal Description: Section 17 Township 4S Range 64W							
Contractor: H&P			Rig/Platform Name/Num: H&P 280				
Job Purpose: Cement Production Liner							
Well Type: Development Well			Job Type: Cement Production Liner				
Sales Person: GROFF, THEODORE			Srvc Supervisor: NIELSON, BRANDON			MBU ID Emp #: 479703	

Job Personnel								
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE	13.0	372277	BARNES, BRIAN L	13.0	485204	FRYE, KEVIN	13.0	498549
MAYFIELD, BYRON L	13.0	528751	NIELSON, BRANDON K	13.0	479703	OTERI, VAUGHN Steeves	13.0	443828
PETERSON, ERIC Eugene	4.0	213272	SALAZAR, JOSH	13.0	777771	SIMS, DENNIS A	12.0	158880

Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11748359	38 mile	11812069C	38 mile	12010167	38 mile	12010172	38 mile
NA	38 mile						

Job Hours								
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL	Total is the sum of each column separately							

Job					Job Times			
Formation Name					Date	Time	Time Zone	
Formation Depth (MD)	Top		Bottom		Called Out	22 - Jul - 2013	14:00	MST
Form Type	BHST				On Location	22 - Jul - 2013	18:00	MST
Job depth MD	11935. ft		Job Depth TVD	11935. ft	Job Started	23 - Jul - 2013	01:42	MST
Water Depth			Wk Ht Above Floor	30. ft	Job Completed	23 - Jul - 2013	04:15	MST
Perforation Depth (MD)	From		To		Departed Loc	23 - Jul - 2013	07:00	MST

Well Data											
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6" Open Hole				6.25				7902.	11935.		
4-1/2" Liner	New		4.5	3.92	13.5		P-110	6919.	11922.		
7" Casing	Unknown		7.	6.094	32.	BTC	P-110	.	7955.		
4" Drill Pipe	Unknown		4.	3.34	14.			.	6919.		

Sales/Rental/3 rd Party (HES)				
Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER SLIDER II 4 1/2" x 6"	175	EA		
SOLID STOP COLLAR 4-1/2", #0412-00SO	350	EA		
MILEAGE FOR CEMENTING CREW,ZI	50	MI		

Tools and Accessories													
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			

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Well Name: Zukowski			Well #: 17-1H		API/UWI #: 05005072080000		
Field: WILDCAT		City (SAP): AURORA		County/Parish: Arapahoe		State: Colorado	
Legal Description: Section 17 Township 4S Range 64W							
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.				Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.			
Contractor: H&P			Rig/Platform Name/Num: H&P 280				
Job Purpose: Cement Production Liner					Ticket Amount:		
Well Type: Development Well			Job Type: Cement Production Liner				
Sales Person: GROFF, THEODORE			Srvc Supervisor: NIELSON, BRANDON			MBU ID Emp #: 479703	

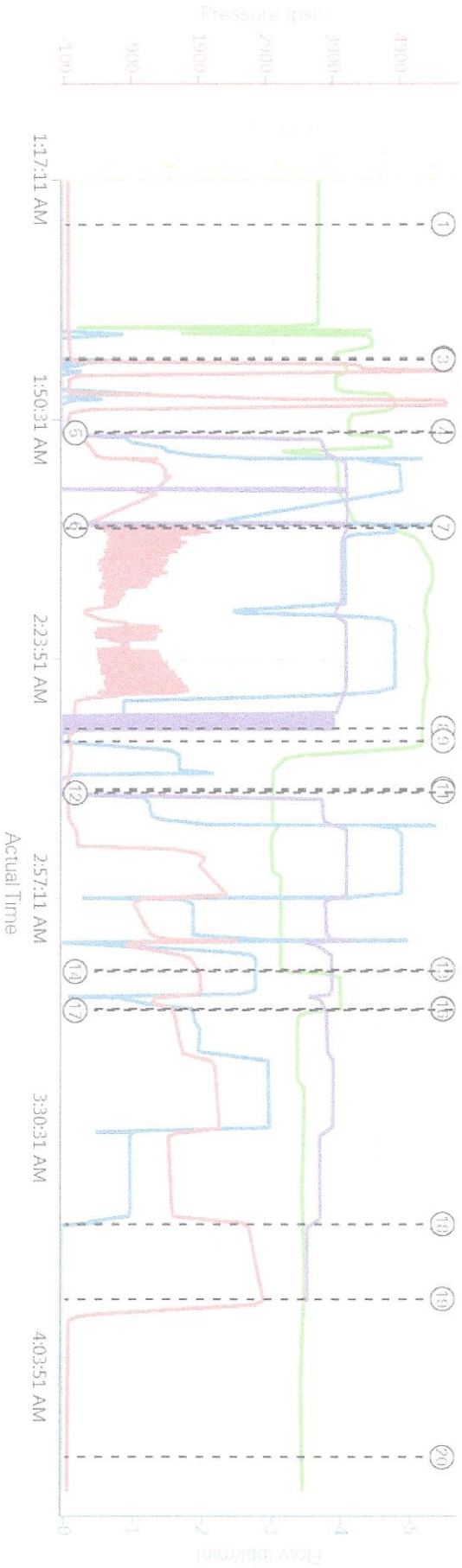
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	07/23/2013 01:42							
Test Lines	07/23/2013 01:42							TESTED LINES TO 5000 PSI NO VISIBLE LEAKS.
Pump Spacer 1	07/23/2013 01:52		5	30			1509.0	CLEAN SPACER MIXED @ 10.5 PPG WITH FRESH WATER
Pump Cement	07/23/2013 02:05		5	103.2			600.0	345 SKS EXPANDACEM MIXED @ 13.8 PPG WITH FRESH WATER
Shutdown	07/23/2013 02:33							
Clean Lines	07/23/2013 02:35							WASHED PUMPS AND LINES TO AN OPEN TOP TANK
Drop Top Plug	07/23/2013 02:42							PLUG PRE LOADED BY BACKER HAND, DROPPED BY HALLIBURTON SUPERVISOR.
Pump Displacement	07/23/2013 02:42		5	75			2118.0	MMCR WATER. Pumped first 54 bbl at 5 bpm, slowed to 2 for 10 bbl, 11 at 5 bbl
Pump Spacer 1	07/23/2013 03:07		2.8	12			1584.0	CLEAN SPACER MIXED @ 10.5 PPG WITH FRESH WATER
Pump Displacement	07/23/2013 03:12		2	52.5			2222.0	WATER BASED DRILLING MUD. first 37 at 2 bpm, last 15.5 at 1 bpm.
Bump Plug	07/23/2013 03:42		1				1598.0	CALCULATED PRESSURE TO LAND WAS 1741 PSI

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	07/23/2013 03:53						2928.0	FLAOTS HELD
Reverse Circ Well	07/23/2013 04:20							REVERSE CIRCULATE HOLE WITH THE RIG PUMPS

1.1 Job Event Log

Time	Description	Graph Label	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pass-Side Pump Pressure (psi)	Stage Volume (bbl)	Comment
01:23:38	Start Job	Start Job	9.74	0.00	1.00	0.00	
01:42:11	Start Job	Start Job	10.44	0.90	39.00	0.00	
01:42:25	Test Lines	Test Lines	10.56	0.10	1343.00	0.00	
01:52:24	Pump Spacer 1	Pump Spacer 1	10.89	0.00	9.00	0.00	
01:52:33	Next Stage	Conoco Tebo Spacer	10.91	0.90	10.00	0.00	
02:05:27	Next Stage	Conoco Tebo Primary	12.47	4.80	556.00	34.50	
02:05:46	Pump Cement	Pump Cement	12.84	4.80	2091.00	36.04	
02:33:43	Shutdown	Shutdown	13.69	0.00	53.00	47.59	
02:35:28	Clean Lines	Clean Lines	13.57	0.00	14.00	56.31	
02:42:08	Drop Top Plug	Drop Top Plug	8.04	0.00	2.00	76.87	
02:42:29	Pump Displacement	Pump Displacement	8.04	0.00	2.00	77.57	
02:42:40	Next Stage	MMCR Water	8.01	1.10	22.00	77.92	
03:07:18	Pump Spacer 1	Pump Spacer 1	8.33	2.80	1967.00	38.70	
03:07:34	Next Stage	Conoco Tebo Spacer	10.55	2.80	1994.00	38.96	
03:12:44	Pump Displacement	Pump Displacement	10.39	1.90	1596.00	44.14	
03:12:56	Next Stage	Conoco Tebo Mud	9.17	1.90	1598.00	44.34	
03:42:51	Bump Plug	Bump Plug	9.21	0.00	2701.00		
03:53:13	Other	Check Floats	9.20	0.00	2928.00		
04:15:14	End Job	End Job	9.19	0.00	-1.00		

Custom Results



- ① Start Job

② Start Job

③ Test Lines

④ Pump Spacer 1

⑤ Conoco Tebo Spacer
- ⑥ Conoco Tebo Primary

⑦ Pump Cement

⑧ Shutdown

⑨ Clean Lines

⑩ Drop Top Plug
- ⑪ Pump Displacement

⑫ MMCR Water

⑬ Pump Spacer 1

⑭ Conoco Tebo Spacer

⑮ Pump Displacement
- ⑯ Pump Displacement

⑰ Conoco Tebo Mud

⑱ Bump Plug

⑲ Conoco Tebo Spacer

⑳ Check Floats
- 20 End Job

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Edit

Colorado Oil and Gas Commission Wellsite Form

Customer: CONOCO PHILLIPS Field: Wattenburg Job Type: LINER
UWI / API Number: County/Parish: ARAPAHOE Service Supervisor: BRANDON NIELSON
Well Name: ZUKOWSKI State: COLORADO
Well No: 17-1H Latitude:
Stage / Zone: Longitude: Cust Rep Name:
Formation: Sect / Twn / Rng: / / Cust Rep Phone #: (

Do Not leave the yard without the proper MSDS documentation for All chemicals.

Colorado Oil and Gas Commission					
Material	Delivered to Location	UOM	Specific Gravity	Weight (lbs)	Comment
CLEAN SPACER	7-23-13	LB		6173	
EXPANDACEM	7-23-13	LB		37530	
MMCR	7-23-13	GAL		8	
		GAL			
		GAL			
		Gal			
		LB			

X

Operator provided all Material Safety Data Sheets (MSDS) related to material listed above.
Operator representative will check box to designate he/she has received all MSDS documentation.

Operator Representative Signature