



GMT Exploration

Plug & Abandon Field Document

AMOCO #11-4 (05-039-06356)
S:11 T:6S R:65W Elbert, CO

Attention: Trevor Smith | (720) 335-9045 | trevor.smith@iptenergyservices.com
1560 BROADWAY, STE 2000
DENVER, CO 80202

ERST: 05/24/22

Location Customer Rep: Tom Majors

District: Cheyenne

CallSheet #: 81671
Proposal #:60169

[illegible]

Cement Job Details

Proposal #60169 - CallSheet #81671

5/25/22 11:37

Well Information

Job Type: PlugAbandon	Latitude: 39.548576	State: CO
API #: 05-039-06356	Longitude: -104.639930	County: Elbert
Customer Name: GMT Exploration	Section: 11	Target Formation:
Well Name: AMOCO #11-4	Township: 6S	District Location: Cheyenne
Supervisor Name: Chad Johnson	Range: 65W	Sales Office:

Well Fluid Details

Plastic Viscosity:	N/A	cP
Yield Point:	N/A	lb _f /100ft ²
10 sec. SGS:	N/A	lb _f /100ft ²
10 min. SGS:	N/A	lb _f /100ft ²
30 min. SGS:	N/A	lb _f /100ft ²
Filtrate:	N/A	ml/30 Min
Flow Line Temperature:	N/A	°F

Job Details

		bpm	psi	Yes/No		Units
BHCT(°F):	<u>165.0</u>	Initial ISIP _____ psi	Injection		Flare Prior to Job:	No 0
BHST(°F):	<u>198.0</u>	Final ISIP _____ psi	Injection		Flare During Job:	No 0
		Skgs in Formation: skgs			Flare at End of Job:	No 0

Well Full Prior to Job:	Yes
Density Well Fluid Into Well Prior to Job:	8.4 lb/gal
Density Well Fluid Out of Well Prior to Job:	8.4 lb/gal

Well Circulation Information

Was Lost Circulation Experienced During Operations:	No	Losses Occurred at bbls into Spacer:	Losses Occurred at bbls into CMT:	Losses Occurred at bbls into Disp.
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Details

Fluid Details

[illegible]

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Longitude: -104.639930

County: Elbert

Customer Name: GMT Exploration

Section: 11

Target Formation:

Well Name: AMOCO #11-4

Township: 6S

District Location: Cheyenne

Supervisor Name: Chad Johnson

Range: 65W

Sales Office:

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[illegible]



Field Water Analysis

Proposal #60169 - CallSheet #81671

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Field Water Analysis

Water Source: None

	Recorded Value	Recommended Range	Potential Cement Slurry Effect
Temperature:	60	50-80°F	High temp. could reduce thickening time, low temp. could reduce mixability
pH:	7	5.5-8.5	
Chlorides:	1500	0-3000 mg/L	Could shorten thickening time of cement
Total Alkalinity:	500	0-1000	If pH is above 9, could cause severe retardation
Total Hardness:	200	0-500 mg/L	Could shorten thickening time of cement
Carbonates:	50	0-100 mg/L	If pH is above 9, could cause severe retardation
Sulfates:	500	0-1500 mg/L	Potentially retardation cement
Potassium:	1500	0-3000 mg/L	Could cause shortening of thickening time
Iron:	100	0-300 mg/L	



Field Ticket

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Service Charges

Part #	Name	List Price	Discount	Unit Price	Uom	Quantity	Total
S-100004	Cement Crew Mobilization-Demobilization Fee	\$10,880.00	84.00%	\$1,740.80	ea	1	\$1,740.80
S-100066	Cement pump charge, Additional Hours	\$2,720.00	50.00%	\$1,360.00	hr(s)	0	\$0.00
S-100076	Single Cement Pump Charge	\$4,960.00	84.00%	\$793.60	hr(s)	9	\$7,142.40
S-100078	Fuel per pump charge - cement	\$384.00	0.00%	\$384.00	hr(s)	8	\$3,072.00
			84.00%			0	\$0.00
			84.00%			0	\$0.00
Total:							\$11,955.20

Material Charges

Part #	Name	List Price	Discount	Unit Price	Uom	Quantity	Total
L100021	CEMENT, CLASS G	\$47.08	84.00%	\$7.53	sks	250	\$1,883.20
L100112	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	\$2.40	84.00%	\$0.38	lbs	450	\$172.80
			84.00%			0	\$0.00
			84.00%			0	\$0.00
Total:							\$2,056.00

Casing Equipment Charges

Part #	Name	List Price	Discount	Unit Price	Uom	Quantity	Total
			0.00%			0	\$0.00
			0.00%			0	\$0.00
Total:							\$0.00

Top Out Charges

Top Out	Quantity (sks)	0
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Field Ticket

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Job Totals

Field Ticket Comments

Charges

Amount

Service Charges	\$11,955.20
Material Charges	\$2,056.00
Casing Equipment Charges	\$0.00
Grand Total	\$14,011.20

Customer Stamp

The above data is deemed accurate

Customer Representative: _____

Customer Representative: _____

(Signature)

(Date)

AC Representative: _____

AC Representative: _____

(Signature)

(Date)



Job Procedure

5/25/22 11:37

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State:	CO	County:	Elbert
Target Formation:		District Location:	Cheyenne
Sales Office:			

Service Charges										
Job	Fluid	Name	Function	Density (lb/gal)	Yield (ft ³ /sk)	Volume (sks)	Volume (bbls)	Water (gal/sk)	Water (bbls)	Rate (bpm)
1	1	Flush Ahead Plug-1	Flush	8.34	-	-	20	-	20.00	5.00
1	2	Plugs 5 and 6	Plug	15.80	1.16	250	51.9	5.0	29.80	5.00
1	3	Plug-1 Displacement	DisplacementFinal	8.34	-	-	37	-	37.00	5.00



Field Survey

5/25/22 11:37

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Supervisor Name:	Chad Johnson	Range:	65W	Sales Office:	

Customer Survey

General Comments

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Did American Cementing arrive on time?
<input type="checkbox"/>	<input type="checkbox"/>	Did American Cementing cause any delays? If "Yes," how long was the delay? _____ hrs
<input type="checkbox"/>	<input type="checkbox"/>	Did a pre-job meeting occur?
<input type="checkbox"/>	<input type="checkbox"/>	Did American Cementing equipment functional correctly throughout the job?
<input type="checkbox"/>	<input type="checkbox"/>	Did American Cementing have all required equipment to complete job?
<input type="checkbox"/>	<input type="checkbox"/>	Did American Cementing deliver the products and services as expected?
<input type="checkbox"/>	<input type="checkbox"/>	Did American Cementing leave location spill-free?
<input type="checkbox"/>	<input type="checkbox"/>	Did all American Cementing personnel adhere to PPE policies?
<input type="checkbox"/>	<input type="checkbox"/>	Did American Cementing review the field ticket with you?

Customer Representative: Trevor Smith

Customer Representative: _____
(Signature)_____
(Date)

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Range:	65W

State: CO
County: Elbert
Target Formation: _____
District Location: Cheyenne
Sales Office: _____

Signing this document indicates that all critical items from the JSA have been reviewed for discussed job tasks and operations

First Name

Last Name

Company	Revenue	Profit	Assets	Liabilities	Equity
Company A	100	20	120	80	40
Company B	150	30	180	120	60
Company C	200	40	240	160	80
Company D	250	50	300	200	100
Company E	300	60	360	240	120

Signature

Safety Stop Point

CUSTOMER: GMT Exploration
 JOB TYPE: Plug/Abandon
 SERVICE SUPERVISOR: Chad Johnson

RIG: Cyclone 3
 DATE: 5/25/22 11:37
 CALL SHEET #: 81671



Safety Stop Point	Task	Potential Accidents or Hazards	Recommendation to Eliminate or Reduce Potential Hazards
Travel to Location	1. Pre Trip 2. Leaving yard 3. Driving on Hwy or Interstate 4. Driving on lease roads 5. Pulling on location 6.	1. Starting truck with out oil,water,no fuel 2. Traffic, Hitting other vehicles 3. Slick roads , Animals , Road Construction 4. Tearing up equipment 5. Blocking road , getting hit , running of road 6.	1. Show up on time , Check oil and other fluids 2. Wanting until traffic is clear 3. Stay alert , Know conditions 4. Drive slow on lease roads (10 to 25 mph) 5. Pull off to the side of road before location 6.
Emergency Procedures	1. Stopping along roadway 2. Arriving on a accident 3. 4. 5. 6.	1. On coming traffic 2. Blood born pathogens 3. 4. 5. 6.	1. Get all the way off road, turn on hazard use triangles 2. Wear ppe, onley render aid that your trained for 3. 4. 5. 6.
Spot Equipment	1. Backing up 2. Pulling forward 3. 4. 5. 6.	1. Hitting other vehicles 2. Running into ditches , Not making corners 3. 4. 5. 6.	1. Ground guides use radios 2. Ground guides 3. 4. 5. 6.
Lay Iron to Rig	1. Taking iron off truck 2. Caring iron on location 3. Hooking up iron 4. Hammering up iron 5. Picking iron off dope bucket 6.	1. Pinch points , Fingers , Hands , 2. Slipping or tripping on slick ground or ruts 3. Getting hit when sliding wing 4. Getting hit with hammer or hitting someone 5. Hurting back 6.	1. Communicate with other person 2. Look at ground before rigging up 3. Let other hand know that you are sliding wing 4. Make sure that everyone knows are about to hammer 5. Pick iron up using legs no back 6.
Pick Up Iron to Rig Floor	1. Putting iron on beaver slide 2. Hooking up iron to sling 3. Picking up iron to floor 4. 5. 6.	1. Getting finger pinch setting iron down 2. Getting hit by something from rig floor 3. Iron coming unhook 4. 5. 6.	1. Let other know when you are setting iron down 2. Make sure that another H.E.S. hand is on the floor 3. Tie chain in not , or use sling 4. 5. 6.
Mix Chemicals	1. Poring chemicals 2. Putting chemicals on truck 3. Hooking up hoses 4. 5. 6.	1. Getting it in eye 2. Dropping chemicals on someone 3. Pinching fingers 4. 5. 6.	1. Were goggles 2. Make sure that the other person has a hold of it 3. Wear gloves 4. 5. 6.
Run Job	1. Pressure Test 2. High pressure Iron/Hoses 3. Checking pods 4. 5. 6.	1. Lines Parting 2. Hoses/Iron Parting 3. Rupturing pods 4. 5. 6.	1. Let everyone know that you are testing, Stay away 2. All charged hoses be bullet hoses, stay clear of lines 3. Use rubber mallets only 4. 5. 6.
Rig Down	1. Letting iron off floor 2. Caring iron to truck 3. Breaking iron apart 4. Putting iron on truck 5. Cleaning up truck 6.	1. Coming unhooked 2. Tripping on ground hazards 3. Getting hit with hammer or hitting someone 4. Pinch points , Fingers , Hands , 5. Backing up to pit 6.	1. Stay out of red zone 2. 3. Let everyone known that you are swing hammer 4. Communicate with other person 5. Ground guides 6.
Travel "Home"	1. Leaving location 2. Climbing hills 3. Turning on to Hwy or Interstate 4. Driving on Hwy or Interstate 5. 6.	1. Flowing to close; Rock in windshield 2. Truck sliding backwards down hill 3. Getting hit by traffic 4. Bad road conditions 5. 6.	1. Leave 30 sec after truck in front of you 2. Do not follow to close 3. Make sure you can make it with out impeding traffic 4. Stay alert , Know conditions 5. 6.
Miscellaneous or Additions to Above	1. 2. 3. 4. 5. 6.	1. 2. 3. 4. 5. 6.	1. 2. 3. 4. 5. 6.