

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE **WICHITA**

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Form ACO-1
September 1999
Form must be Typed

8/12/11

ORIGINAL

Operator: License # 32309

Name: Presco Western, LLC

Address 5665 FLATIRON PARKWAY

City/State/Zip BOULDER CO 80301

Purchaser: High Sierra Crude (oil)/BP (gas)

Operator Contact Person: Randy M. Verret

Phone (303) 305-1163

Contractor: Name: Trinidad Drilling

License: 33784

Wellsite Geologist: Not Applicable

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date _____ Original Total Depth _____

Deepening Re-perf. Conv. to Enhr./SWD

Plug Back _____ Plug Back Total Depth _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Enhr?) _____ Docket No. _____

<u>5/2/2009</u>	<u>5/11/2009</u>	<u>5/27/2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API NO. 15- 175-22174-0000

County Seward

NW - NW - SE - SE Sec. 10 Twp. 31 S. R. 33 E W

1.001 Feet from SN (circle one) Line of Section

1.198 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name Beelman Well # 12-P10-31-33

Field Name Wildcat

Producing Formation Morrow

Elevation: Ground 2,893.1' Kelley Bushing 2,904.1'

Total Depth 5,780' Plug Back Total Depth 5,688'

Amount of Surface Pipe Set and Cemented at 856 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 2,000 ppm Fluid volume 4,000 bbls

Dewatering method used Air Evaporation

Location of fluid disposal if hauled offsite:

Operator Name Not Applicable

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S R. _____ E W

County _____ Docket No. _____

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Att 1-12g 8/12/09

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]

Title Regulatory Assistant Date 8/12/2009

Subscribed and sworn to before me this 12th day of August

20 09

Notary Public: [Signature]

Date Commission Expires 01/29/2013

KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name Presco Western, LLC

Lease Name Beelman Well # 12-P10-31-33

Sec. 10 Twp. 31 S.R. 33 East West

County Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets.) Yes No

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run (Submit Copy.) Yes No

List All E.Logs Run:

Microlog, Array Compensated Resistivity Log, Borehole Sonic Array Log, Spectral Density Dual Spaced Neutron Log.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Atoka	5,160'	-2,256'
Morrow	5,337'	-2,433'
Chester	5,517'	-2,613'
St. Genevieve	5,584'	-2,680'
St. Louis	5,616'	-2,712'

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	17-1/2"	13-7/8"	48.0	585'	Class A	200	3%CC/2%GypSeal
Surface	12-1/4"	8-5/8"	36.0	856'	Class A	400	
Production	7-7/8"	4-1/2"	10.5	5,780'	expandacem	170	5%calseal/5%salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD	4500-5540	Class H/Halcem	210/30	3lbm Kol-Seal/.6%Halad
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5,422 - 5,428' (Morrow)		

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TUBING RECORD Size 2-3/8" Set At 5,400' Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Enhr. 8/3/2009 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	-0-	2,971	-0-	-0-	6814

Disposition of Gas: METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perforation Dually Comp. Commingled Other (Specify)

(If vented, submit ACO-18.)

ALLIED CEMENTING CO., LLC. 30615

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: LIBERAL

DATE <u>5/5/09</u>	SEC <u>10</u>	TWP <u>31</u>	RANGE <u>30 W</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30</u>	JOB FINISH <u>7:00</u>
LEASEE <u>BEELMAN</u>	WELL.# <u>17-P10</u>	LOCATION <u>83+190 1W 1S</u>		COUNTY <u>SEWARD</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>White</u>			

CONTRACTOR Trinidad 201

TYPE OF JOB SURFACE TOP OUT

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 1/2 DEPTH 956

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 800 MINIMUM

MEAS. LINE SHOE JOINT 42

CEMENT LEFT IN CSG. 39'

PERFS.

DISPLACEMENT 36.5

OWNER SAME

CEMENT

AMOUNT ORDERED 2000 SIL

Thin Tru Mix 8% GYP SEAL

3% CC 1% GEL

COMMON <u>2000</u>	@	<u>15.45</u>	<u>3090⁰⁰</u>
POZMLX	@		
GEL <u>25K</u>	@	<u>20.80</u>	<u>4160⁰⁰</u>
CHLORIDE <u>CC 185K</u>	@	<u>58.10</u>	<u>10471⁰⁰</u>
ASC	@		
<u>GYP SEAL 15 SIL</u>	@	<u>29.10</u>	<u>4380⁰⁰</u>
<u>Super FLUSH</u>	@		
<u>1680 gal</u>	@	<u>5.00</u>	<u>8400⁰⁰</u>
HANDLING <u>240</u>	@	<u>2.40</u>	<u>576⁰⁰</u>
MILEAGE <u>10 SK/mi</u>	@		<u>720⁰⁰</u>
			TOTAL <u>14313²⁰</u>

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EQUIPMENT

PUMP TRUCK CEMENTER Bob/Kirby

470/487 HELPER Kenn

BULK TRUCK

471/467 DRIVER CESAR

~~BULK TRUCK~~ MT

372 DRIVER Darin

REMARKS:

Pump Flush

Mix out + Disp Cmg

SHOT IN

Circ Throughout Job

CHARGE TO: ELLONA Energy

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 620'

PUMP TRUCK CHARGE N/C

EXTRA FOOTAGE @ _____

MILEAGE 30 mi. @ _____ N/C

MANIFOLD @ _____

Stand By 18 hrs @ 250⁰⁰ 4500⁰⁰

TOTAL 4500⁰⁰

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL _____		

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES [Stamp]

DISCOUNT _____ IF PAID IN 30 DAYS

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ALLIED CEMENTING CO., LLC. 30614

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: LIBERAL KS

DATE <u>5/4/09</u>	SEC. <u>10</u>	TWP. <u>31</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>Beelman</u>	WELL # <u>12-PI0-31-33</u>	LOCATION <u>83+190 1W 1S</u>			COUNTY <u>SEWARD</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			WINTER				

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CONTRACTOR Trinidad 201

TYPE OF JOB 8" SURFACE

HOLE SIZE 12 1/4" T.D.

CASING SIZE 8 3/4" DEPTH 856'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42

CEMENT LEFT IN CSG. 42

PERFS.

DISPLACEMENT 51

OWNER SAME

CEMENT

AMOUNT ORDERED 400 SK A @ 3%

CL 2% METSO BRADS 2% GYP SEAL

1/2" # FLO SEAL 115

COMMON 400 A @ 15.45 6180.00

POZMIX @

GEL @

CHLORIDE 20 SK @ 5.20 1164.00

ASC @

100 @ 11.00 1100.00

Sodium MEASURE @

752 LB @ 2.45 1842.40

GYP SEAL 86K @ 29.20 23760

FLO SEAL 138# @ 22.50 3105.00

HANDLING 598 @ 2.40 1435.20

MILEAGE .10 SK mi 1794.00

TOTAL 12994.00

EQUIPMENT

PUMP TRUCK CEMENTER BOB

470-487 HELPER KENNY

BULK TRUCK

471/467 DRIVER CEASAR

BULK TRUCK

372 DRIVER DANIL

REMARKS:

① Mix 200 SK
Drop Plug + Disp CSG
Land Plug + MEASE PST
FEAT HILDING - WATER W/L

② Mix 100 SK Drop Plug + Disp CSG
5 SK in Pump 45 BBL H2O; Mix
75 SK Drop Plug + Disp CSG @ 39.60

③ Mix 75 SK Disp 57 BBL H2O
+ 5 SK

CHARGE TO: ELLORA Energy

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 856'

PUMP TRUCK CHARGE 5 1018

EXTRA FOOTAGE 556' @ .85 472.60

MILEAGE 30 @ 7.00 210.00

MANIFOLD 113 @ 113 113.00

TOTAL 1813.60

PLUG & FLOAT EQUIPMENT

8 1/2" - 1" GUIDE SHOE 282.00

1" FLOAT COLLAR @ 675.00

5" CEMENT BAGS @ 62 310.00

4 BASKETS @ 24.50 98.00

3" SW Top Plugs @ 113 339.00

TOTAL 2598.00

To Allied Cementing Co., LLC.

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PRINTED NAME Dodge

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES [Stamp]

DISCOUNT _____ IF PAID IN 30 DAYS

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ALLIED CEMENTING CO., LLC. 30613

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Liberal KS

DATE: <u>8/3/09</u>	SEC: <u>10</u>	PWP: <u>31</u>	RANGE: <u>30W</u>	CALLED OUT	ON LOCATION	JOB START: <u>11:00A</u>	JOB FINISH: <u>12:00</u>
LEASE: <u>Beelman</u>		WELL #: <u>17-P10-31-33</u>	LOCATION: <u>43+190 1W 15</u>			COUNTY: <u>Jewell</u>	STATE: <u>KS</u>
OLD OR NEW (Circle one): <u>NEW</u>			Witchita				

CONTRACTOR: Trinidad 201
 TYPE OF JOB: conductor
 HOLE SIZE: 17 1/2 T.D.: 589
 CASING SIZE: 13 1/2 DEPTH: 393'
 TUBING SIZE: _____ DEPTH: _____
 DRILL PIPE: _____ DEPTH: _____
 TOOL: _____ DEPTH: _____
 PRES. MAX: _____ MINIMUM: _____
 MEAS. LINE: _____ SHOE JOINT: 30.43'
 CEMENT LEFT IN CSG.: 30.43
 PERFS: _____
 DISPLACEMENT: 81.3
 EQUIPMENT

OWNER: SANZ
 CEMENT AMOUNT ORDERED: 200SK 'A'
300 CL 200 Gyp Seal 2" METSO
Beelman 14 Floreal - 115C 2" SSC
1/4 Floreal
 COMMON: 200SK @ 1545 3090⁰⁰
 POZMLX: _____ @ _____
 GEL: _____ @ _____
 CHLORIDE: CC 115IL @ 5800 640⁰⁰
 ASC: _____ @ _____
115 Premium Plus @ 1925 2213⁷⁵
 @ _____
Gyp Seal 45IL @ 2920 11680
Sodium Meta 376LB @ 376225 921⁰⁰
 @ _____
Floreal 75LB @ 2.50 1875⁰⁰
 @ _____
 @ _____
 HANDLING: 340 @ 240 816⁰⁰
 MILEAGE: +105/kmi 1020⁰⁰
 TOTAL: 9005⁷⁵

PUMP TRUCK CEMENTER: BDB
 # 470/487 HELPER: Kenny
 BULK TRUCK
 # 471/467 DRIVER: CEASAR
 BULK TRUCK Pump Truck
 # 377 DRIVER: DARIN

REMARKS:
BREAK CIRC
2 MIX 200SK LEAD @ 11.1'
2 MIX 115SK TAIL @ 14.5'
DRAG PLUG + DISP CSW
LEAD PLUG + RELEASE P.S.I
FRONT HOLDING
Circ Approx 1.5 BBL cont
TO SURFACE

CHARGE TO: ELLORA Energy
 STREET: _____
 CITY: _____ STATE: _____ ZIP: _____

SERVICE
 DEPTH OF JOB: 585'
 PUMP TRUCK CHARGE: 1518⁰⁰
 EXTRA FOOTAGE: 285 @ .85 242²⁵
 MILEAGE: 30 @ 7⁰⁰ 210⁰⁰
 MANIFOLD + Head: _____ @ _____
 @ _____
 @ _____
 TOTAL: 1583²⁵

PLUG & FLOAT EQUIPMENT
13 1/2
 @ _____
1 AFU @ 552⁰⁰
1 5W Top Ply @ 248⁰⁰
 @ _____
 @ _____
 TOTAL: 800

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME: Dodge W. Sur
 SIGNATURE: Dodge W. Sur

SALES TAX (If Any): _____
 TOTAL CHARGES: _____
 DISCOUNT: _____
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HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 337831	Ship To #: 2725217	Quote #:	Sales Order #: 6669342
Customer: ELLORA ENERGY INC EBUSINESS		Customer Rep: Kneeland, Mark	
Well Name: Beelman	Well #: 12-P10-31-33	API/UWI #:	
Field: LOCKPORT	City (SAP): LIBERAL	County/Parish: Seward	State: Kansas
Contractor: TRINIDAD DRILLING	Rig/Platform Name/Num: 201		
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: HESTON, MYRON	Srv Supervisor: COOK, TRACY	MBU ID Emp #: 289553	

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Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COOK, TRACY L	7	289553	DAVIS, JOSEPH Wayne	7	352896	VILLARREAL, ARTURO	7	106127

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857045	50 mile	10924982	50 mile	11133699	50 mile	11138994	50 mile
11149169	50 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5-13-09	6.5	1						
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	5-13-09	0600	
Job depth MD	5750. ft		Job Depth TVD	Job Started	5-13-09	1100	
Water Depth			Wk Ht Above Floor	Job Completed	5-13-09	1200	
Perforation Depth (MD)	From		To	Departed Loc	5-13-09	1330	

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
Production Hole	New		4.5	7.875	10.5	8 RD (LT&C)	Unknown	1800.	5750.		
Production Casing				4.052					5750.		
Surface Casing	New		8.625	8.097	24.		Unknown	1800.			

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			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc %
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty

Fluid Data

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk


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Cementing Job Summary

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	10 bbls water		10.00	bbl	.	.0	.0	.0		
2	SUPER FLUSH	SUPER FLUSH 100 - SBM (12191)	20.00	bbl	11.7	.0	.0	.0		
3	10 bbl Water Spacer		10.00	bbl	.	.0	.0	.0		
4	Primary Cement	EXPANDACEM (TM) SYSTEM (452979)	170.0	sacks	14.	1.54	6.92		6.92	
	5 %	CAL-SEAL 60, 50 LB BAG (101217146)								
	5 %	SALT, 100 LB BAG (100003652)								
	3 lbm	KOL-SEAL, BULK (100064233)								
	0.6 %	HALAD(R)-322, 50 LB (100003646)								
	6.918 Gal	FRESH WATER								
5	Displacement		91.00	bbl	8.33	.0	.0	.0		
6	PLUG RAT & MOUSE HOLE	EXPANDACEM (TM) SYSTEM (452979)	50.0	sacks	14.	1.54	6.92		6.92	
	5 %	CAL-SEAL 60, 50 LB BAG (101217146)								
	5 %	SALT, 100 LB BAG (100003652)								
	3 lbm	KOL-SEAL, BULK (100064233)								
	0.6 %	HALAD(R)-322, 50 LB (100003646)								
	6.918 Gal	FRESH WATER								
Calculated Values			Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating			Mixing			Displacement			Avg. Job	
Cement Left In Pipe		Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						
										

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 337831	Ship To #: 2725217	Quote #:	Sales Order #: 6684229
Customer: ELLORA ENERGY INC EBUSINESS		Customer Rep: CRESS, FRED	
Well Name: Beelman	Well #: 12P10-31-33	API/UWI #: 15-175-22174	
Field:	City (SAP): LIBERAL	County/Parish: Seward	State: Kansas
Legal Description: Section 10 Township 31S Range 33W			
Contractor: WORKOVER		Rig/Platform Name/Num:	
Job Purpose: Recement Service			
Well Type: Development Well		Job Type: Recement Service	
Sales Person: HESTON, MYRON		Srvc Supervisor: LISH, DEREK	MBU ID Emp #: 295022

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Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GREEN, SCOTT Anthony	8.0	301261	LISH, DEREK D	8.0	295022	POLSTER, MATTHEW Shane	8.0	398753
TREJO, NOE	8.0	456243						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10717476	20 mile	10804587	20 mile	10924986	20 mile	10995007	20 mile
11074742	20 mile	11212168	20 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5-21-09	8.0	2						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	21 - May - 2009	07:00	CST
Job depth MD	5550. ft		Job Depth TVD	Job Started	21 - May - 2009	12:25	CST
Water Depth			Wk Ht Above Floor	Job Completed	21 - May - 2009	14:12	CST
Perforation Depth (MD)	From		To	Departed Loc	21 - May - 2009	15:30	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Hole				7.875				500.	5780.		
Production Casing	Unknown		4.5	4.052	10.5		J-55		5780.		
Tubing	Unknown		2.375	1.995	4.7		Unknown		5518.		

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			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

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HALLIBURTON

Cementing Job Summary

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Injection Test		25.00	bbl	8.33	.0	.0	.0	
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	20.00	bbl	8.4	.0	.0	.0	
3	Scavenger Slurry	HALCEM (TM) SYSTEM (452986)	30.0	sacks	10.	5.28	35.73		35.73
	3 lbm	KOL-SEAL, BULK (100064233)							
	0.6 %	HALAD(R)-322, 50 LB (100003646)							
	35.733 Gal	FRESH WATER							
4	Primary Slurry	HALCEM (TM) SYSTEM (452986)	210.0	sacks	15.1	1.3	5.96		5.96
	3 lbm	KOL-SEAL, BULK (100064233)							
	0.6 %	HALAD(R)-322, 50 LB (100003646)							
	5.96 Gal	FRESH WATER							
5	Displacement		21.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	20.75	Shut In: Instant		Lost Returns	NO	Cement Slurry	77	Pad	
Top Of Cement	4660	5 Min		Cement Returns	NO	Actual Displacement	20.75	Treatment	2
Frac Gradient		15 Min		Spacers	45	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	2	Displacement	2	Avg. Job			2
Cement Left In Pipe	Amount	44 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature <i>Fred A. Cross</i>					

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