

Form 4  
May, 2009

**STATE OF WYOMING**  
**OIL AND GAS CONSERVATION COMMISSION**  
**Office of State Oil and Gas Supervisor**  
**P. O. Box 2640**  
**Casper Wyoming 82602**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill, or deepen. Form 1 is provided for such proposals.)

12. API No.: 49-009 -28354

13. County: CONVERSE

Submit Single. Dupl. for State - Instructions on the reverse.

If a Split Estate Location Change Provide Form 1A.

5. Lease No.:

6. Unit Agreement or CA: WYW179649X

7. Farm or Lease Name: GILBERT DITCH UNIT

8. Well No.: 34-73 14-1H

1. Type Well:

Oil    Gas    CBM    Dry Hole    Injection    Other \_\_\_\_\_

2. Operator: CHESAPEAKE OPERATING INC

3. Address: 6100 Northwestern OKLAHOMA CITY, OK 73118

4. Phone Number (w/ area code): 405-935-7987      Email: sarah.rodriguez@chk.com

15. Footages:      SHL: 330 FNL 330 FWL      BHL:

14. Elevation: 5133      GL

16. Latitude: 42.92437

17. Longitude: -105.59277

11. Quarter- Quarter, Section, Township and Range:  
NW NW 14 Township 34 North Range 73 West

18. CHECK APPROPRIATE BOXES TO INDICATE THE NATURE OF NOTICE, REPORT, OR OTHER DATA

<p>Type of Submission:</p> <p><input type="checkbox"/> Notice of Intent</p> <p><input checked="" type="checkbox"/> Subsequent Report</p> <p><input type="checkbox"/> Change of Address. <small>List Old &amp; New Below.</small></p> <p>Split Estate?      Yes      No <input checked="" type="checkbox"/>      <input type="checkbox"/></p> <p>If this is a Split Estate location change or Fed Lease owner change file Form 1A.</p>	<p>Type of Action:</p> <p><input checked="" type="checkbox"/> Change Plans</p> <p><input type="checkbox"/> Convert to injection</p> <p><input type="checkbox"/> Dormant</p> <p><input type="checkbox"/> Location or Site Change</p> <p><input type="checkbox"/> Federal Lease Owner Change</p> <p><input type="checkbox"/> Fracture Treat/ Enhance</p> <p><input type="checkbox"/> Plug and Abandon</p> <p><input type="checkbox"/> Perforate</p> <p><input type="checkbox"/> Recomplete/ Plugback</p> <p><input type="checkbox"/> Reclaim</p> <p><input type="checkbox"/> Rename</p> <p><input type="checkbox"/> Repair Well</p> <p><input type="checkbox"/> Shut-in</p> <p><input type="checkbox"/> Start / Resume Production</p> <p><input type="checkbox"/> Temporarily Abandoned</p> <p><input type="checkbox"/> Water Shut-Off</p> <p><input type="checkbox"/> Other _____</p>
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19. Describe the proposed or completed operations: Clearly state all pertinent dates and details, including estimated start date of proposed work.  
Form 3 is required following completion and recompletion procedures. Attach additional sheets if necessary, referencing API No., Well Name and Legal Location.

Chesapeake Operating Inc. has made casing changes to the subject well. Please see attached summary of program changes.

Chesapeake requests confidentiality for the maximum time allowed.

20. I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operations

Name (Printed or Typed): Sarah Rodriguez      Title: Regulator Analyst

21. Signature: Filed Electronically Transaction 928354001      Date: 08/05/2011

<p><small>(The space below is for State Approval)</small></p> <p>Approval Date: _____</p> <p>Approved By: _____</p> <p style="text-align: center;">AUG 05 2011</p> <p>Approvals sent: _____</p>	<p><small>Conditions of approval, if any.</small></p>
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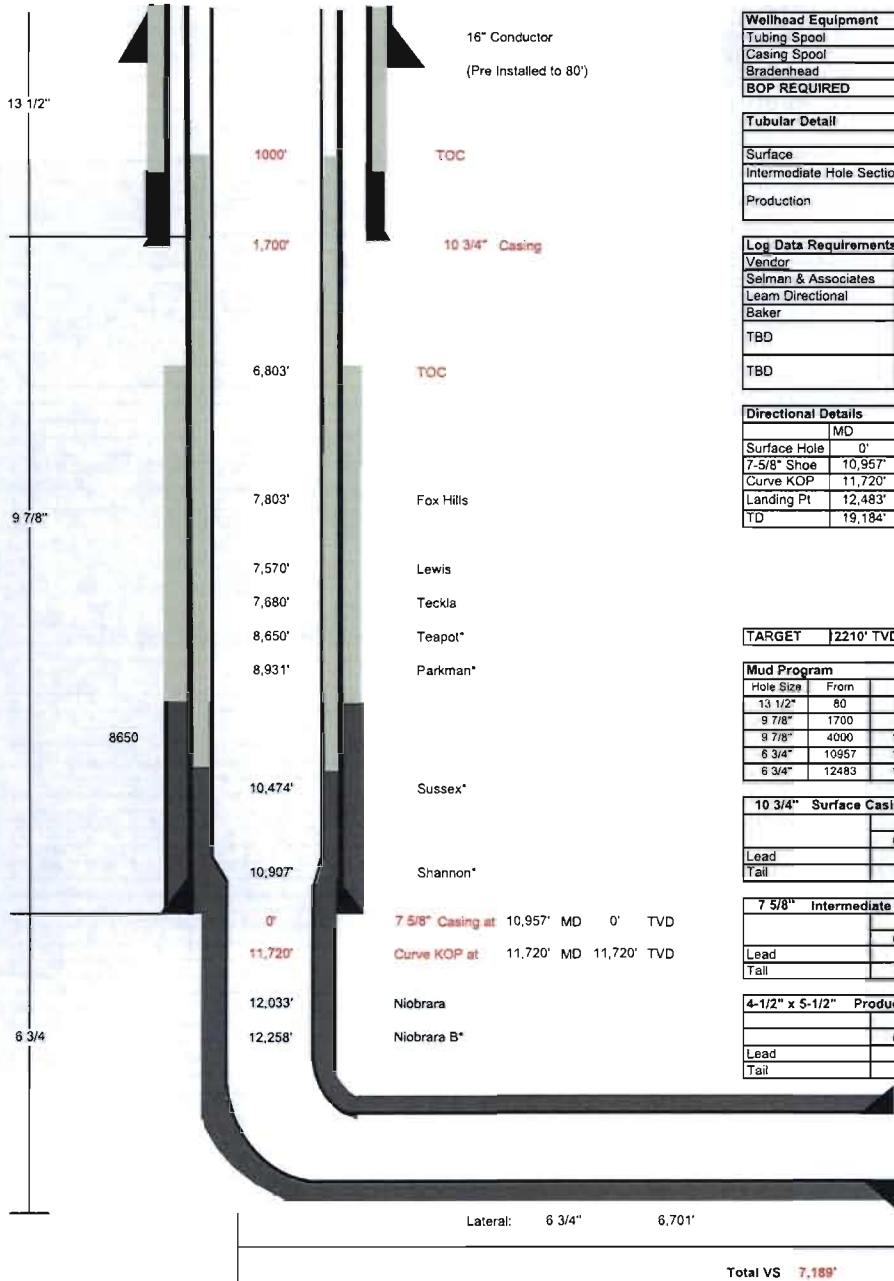
WOGCC APPROVAL



**Drilling Engineer:** Yemi Ajijolaiya  
**Superintendent:** Jimmy Anderson / Tony  
**Geologist:** Kevin Hartl  
**Asset Manager:** Robert Elliot

**Well Name:** Gilbert Ditch Unit 34-73 14-1H  
**Formation:** Niobrara Shale  
**County, State:** Converse, WY  
**SH Location:** Section 14-34N-73W, 330' FNL & 330' FWL  
**Section:** 14 Township & Range T34N-R73W  
**BH Location:** Section 23-34N-73W, 1,525' FNL & 1,875' FEL  
**Field:** Powder River

**Drilling Rig:** Trinidad 35  
**KB Elevation:** 5158'  
**Ground Elevation:** 5133'  
**Surface Latitude:** N42.92440 (NAD27)  
**Surface Longitude:** W105.59222 (NAD27)  
**API Number:** 4900928354



Hardlines: Bottom Hole: 6,523' South and 3,054' East of Surface Location.

Wellhead Equipment	
Tubing Spool	11" 10M x 7 1/16" 15M
Casing Spool	11" 5M x 11" 10M MB
Bradenhead	10-3/4" SOW x 11" 5M MB
<b>BOP REQUIRED</b>	13-5/8" x 10,000 PSI

Tubular Detail						
	Size	#	Grade	Conn.	To	From
Surface	10 3/4"	45.5	J-55	BTC	0'	1,700'
Intermediate Hole Section	7 5/8"	29.7	P-110	LTC	0'	10,957'
Production	5 1/2"	20	P-110	Hydrit 521	0'	10,757'
	4 1/2"	13.5	P-110	Hydrit 521	10,757'	19,184'

Log Data Requirements	
Vendor	Data & Interval
Selman & Associates	Mud log fr 7,200' to TD
Learn Directional	Dir/MWD (no gamma) / surface casing shoe to end of curve
Baker	Dir/LWD (Azi Gamma & Resistivity in lateral section)
TBD	9 7/8" Hole: Triple-combo and FMI with Dipole Sonic from KOP to surface casing, GR-Neutron to surface, 50 Sidewall Cores.
TBD	6 3/4" Lateral Hole: Triple-Combo/FMI/Dipole Sonic from TD to KOP.

Directional Details								
	MD	INC	AZM	TVD	VS	N/S	E/W	DLS
Surface Hole	0'	0.0	0.0	0'	0'	0'	0'	0.0
7-5/8" Shoe	10,957'	0.0	0.0	0'	0.00'	0.00'	0.00'	0.00'
Curve KOP	11,720'	0.0	0.0	11,720'	0.00'	0.00'	0.00'	0.00'
Landing Pt	12,483'	91.5	155.1	12,197'	490.00'	-444.30'	206.60'	12.00'
TD	19,184'	91.5	155.1	12,022'	7188.90'	-6518.60'	3031.20'	0.00'

**TARGET** | 2210' TVD @ 0° VS w/ 1.5° downld; window is 10' above and below.

Mud Program								
Hole Size	From	To	Type	Weight	FV	PV	YP	FL
13 1/2"	80	1700	FW/Gel	8.4 - 8.6	28 - 32	2 - 8	2 - 5	NC
9 7/8"	1700	4000	FW/Gel	8.4 - 8.7	28 - 32	2 - 10	2 - 8	NC
9 7/8"	4000	10957	LSND	8.6 - 8.8	36 - 46	10 - 16	12 - 15	<10
6 3/4"	10957	12483	OBM	9.5 - 10	45 - 55	12 - 16	14 - 18	10 - 12
6 3/4"	12483	19184	OBM	10 - 12.5	45 - 55	12 - 16	14 - 18	10 - 12

10 3/4" Surface Casing Cement Details							
	wt	yield	water	vol	sacks	fill	excess
(ppg)	cu. ft / sk	gal / sk	bbbls	#	ft	(%)	
Lead	12.5	2.24	12.6	165	414	12/5	100%
Tail	15.8	1.15	5.0	62	303	425	100%

7 5/8" Intermediate Casing Cement Details							
	wt	yield	water	vol	sacks	fill	0
(ppg)	cu. ft / sk	gal / sk	bbbls	#	ft	(%)	
Lead	11.4	2.54	14.8	152	337	2654	50%
Tail	15.8	1.52	6.2	90	334	1500	50%

4-1/2" x 5-1/2" Production Casing Cement Details							
	wt	yield	water	vol	sacks	fill	0
(ppg)	cu. ft / sk	gal / sk	bbbls	#	ft	(%)	
Lead	11.0	2.54	15.0	232	427	7957	0%
Tail	15.2	1.72	7.4	274	894	9227	20%

MD: 19,184'  
 TVD: 12,022'  
 DEG: 91.5

4-1/2" x 5-1/2" Casing

Formation Details	
Formation Tops	TVD (KB)
Fox Hills	7,803'
Lewis	7,570'
Teckla	7,680'
Teapot*	8,650'
Parkman*	8,931'
Sussex*	10,474'
Shannon*	10,907'
Niobrara	12,033'
Niobrara B*	12,258'
B Chalk Top*	0,000'
B Chalk Base*	0,000'
Carlile	12,369'

Rig: Trinidad 35	Drilling Fluids: Halliburton	Cement: Halliburton	Mud Logs: 0	Directional (9-7/8" & and Curve): Learn Directional	Wellhead: otherford
SWD (Inc. + Azimuth) Extreme Engineering	Closed Loop System NA			Directional (Lateral Section): Baker	AFE: 153189 Property No: 632507



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Surface Hole	0'	0.0	0.0	0'	0'	0'	0'	0.0
7-5/8" Shoe	10,957'	0.0	0.0	0'	0.00'	0.00'	0.00'	0.00'
Curve KOP	11,720'	0.0	0.0	11,720'	0.00'	0.00'	0.00'	0.00'
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10 3/4" Surface Casing Cement Details							
	wt. (ppg)	yield cu. ft / sk	water gal / sk	vol bbls	sacks #	fill ft	excess (%)
Lead	12.5	2.24	12.6	165	414	1275	100%
Tail	15.8	1.15	5.0	62	303	425	100%

7 5/8" Intermediate Casing Cement Details							
	wt. (ppg)	yield cu. ft / sk	water gal / sk	vol bbls	sacks #	fill ft	(%)
Lead	11.4	2.54	14.8	152	337	2654	50%
Tail	15.8	1.52	6.2	90	334	1500	50%

4-1/2" x 5-1/2" Production Casing Cement Details							
	wt. (ppg)	yield cu. ft / sk	water gal / sk	vol bbls	sacks #	fill ft	(%)
Lead	11.0	2.54	15.0	232	427	7957	0%
Tail	15.2	1.72	7.4	274	894	9227	20%

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