KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34055
Name: H & M PETROLEUM CORPORATION
Address 1: 13570 MEADOWGRASS DRIVE SUITE 101
Address 2:
City: COLORADO SPRINGS State: CO Zip: 80921 + ____
Contact Person: DAVE ALLEN
Phone: (719) 590-6060
CONTRACTOR: License # 31120
Name: PELICAN HILL OIL / BLACK GOLD DRILLING
Wellsite Geologist: RANDY SAY
Purchaser: COFFEYVILLE RESOURCES

Designate Type of Completion:
✓ New Well ____ Re-Entry ____ Workover
✓ Oil ____ SWD ____ SIOW
____ Gas ____ ENHR ____ SIGW
____ CM (Coal Bed Methane) ____ Temp. Abd.
____ Dry ____ Other
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: ____ Original Total Depth: ____
____ Deepening ____ Re-perf. ____ Conv. to Enhr. ____ Conv. to SWD
____ Plug Back: ____ Plug Back Total Depth
____ Commingled Docket No.:
____ Dual Completion Docket No.:
____ Other (SWD or Enhr.?) Docket No.:

10-20-08	10-29-08	10-30-08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-22125-00-00
Spot Description:
W2 - E2 - SE - SW Sec. 31 Twp. 17 S. R. 30 ☐ East ☑ West
660 Feet from ☐ North / ☑ South Line of Section
3223 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
County: LANE
Lease Name: DOYLES DOME Well #: 5
Field Name: MANNING
Producing Formation: LANSING / KANSAS CITY
Elevation: Ground: 2893 Kelly Bushing: 2904
Total Depth: 4690 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 5 JTS @ 225' Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2244 Feet
If Alternate II completion, cement circulated from: 2244
feet depth to: SURFACE w/ 175 sx cmt.

Drilling Fluid Management Plan Alt II NCR 9-28-09
(Data must be collected from the Reserve Pit)
Chloride content: 1000 ppm Fluid volume: 200 bbls
Dewatering method used: EVAPORATION
Location of fluid disposal if hauled offsite:
Operator Name: N/A
Lease Name: ____ License No.:
Quarter ____ Sec. ____ Twp. ____ S. R. ____ ☐ East ☐ West
County: ____ Docket No.:

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 of 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:
Title: OFFICE MANAGER Date: 9-15-09
Subscribed and sworn to before me this 15 day of September,
20 09.
Notary Public: Aleasha Mitchek
Date Commission Expires: 4/13/2013

ALEASHA MITCHEK
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 04/13/2013

KCC Office Use ONLY
Y Letter of Confidentiality Received
If Denied, Yes ☒ Date: 9-28-09
____ Wireline Log Received
Geologist Report Received ✓
DIC Distribution

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Side Two

Operator Name: H & M PETROLEUM CORPORATION Lease Name: DOYLES DOME Well #: 5

Sec. 31 Twp. 17 S. R. 30 ☐ East ☑ West County: LANE

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). 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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No
(Submit Copy)

List All E. Logs Run:

DI, CN, MICRO

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
ANHYDRITE	2208	+692
TOPEKA	3650	-746
HEEBNER SHALE	3884	-980
LANSING	3922	-1018
MUNCIE CREEK SHALE	4104	-1200
STARK SHALE	4198	-1294
KS CITY K / POROSITY	4208	-1304

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
SURFACE	12 1/4"	8 5/8"	24	223'	COMMON	175	4% GEL/6% CC
PRODUCTION	7 7/8"	5 1/2"	15.5	4686'	EA2 COMMON	375	10% SA4LT/5% CAL

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	4529-4531	SHOT	4531
4	4393-4396	SHOT	4396
4	4258-4262	SHOT	4262
4	4529-4531	SHOT	4531

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TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2 7/8"	4553		☐ Yes ☐ No

Date of First, Resumed Production, SWD or Enhr.	Producing Method:
11-25-08	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	120	0	50		34.4

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other *(Specify)*	4256-4315

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Doyle's Dome #5 Formation Tops

Name	Top	Datum
Kansas City "L"	4256	-1352
Kansas City "L" Porosity	4260	-1356
Base/Kansas City	4314	-1410
Marmaton	4340	-1436
Ft. Scott	4460	-1533
Cher. Johnson Zone	4520	-1616
Mississipian	4546	-1642

H&M Petroleum Corporation

09/15/2009

I would like to request the maximum confidentiality of 2 years before releasing information on side two of the Doyle's Dome #5 Well Completion Form. Thank you.

Sincerely,

David J. Allen
Office Manager

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13570 Meadowgrass Dr.
Suite 101
Colorado Springs, CO 80921

Bus: 719.590.6060
Fax: 719.590.6061
800.220.5936

ON

SWIFT Services, Inc.

DATE 10-30-08 PAGE NO. 1

Petroleum | WELL NO. #5 | LEASE Doyles Dome | JOB TYPE 2 stage | TICKET NO. 14772

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
1930							on loc w/FE
							RTD 4690'
							5½" x 15.5# x 4686' x 22'
							Cent. 55, 1, 3, 5, 7, 9, 11, 13, 15, 57
							Baskets 58, 91
							D.V. 58 @ 2244'
2015							Start FE
2305							Break Circ. Circ 1hr
0014	4	0				150	Start Preflushes 500 gal Mud Flush, 20 bbl KCL flush
0022	5	32/0				200	Start Cement 175 sks EA-2
0030		42					End Cement
							Wash P+L
							Drop LD Plug
0034	6.5	0				200	Start Disp. w/ water
0044	6.5	60				200	mud
0047		80				250	Catch Cement
0052		111				700/1300	Land Plug
							Release pressure
							Float Held
0054							Drop Opening Plug
0110						1200	Open D.V. & Circ 1hr
0215	3	3/3					Plug RH+MH 35 sks SMD
0225	4	0				175	Start KCL flush 20 bbl
0230	6	20/0				250	Start Cement 200 sks SMD
0250		122					End Cement
							Drop Closing Plug
0253	5	0				200	Start Displacement
0256	4	18				350	Circ Cement
0305		54				700/1800	Land Plug Release & Held
							Circ 65 sks to pit
							Thank
							Nick, Josh F., Scott

Nick Korte

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TO
BOX 90 D
OXIE KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

273

DATE 10/21	SEC. 31	RANGE/TWP. 11/30	CALLED OUT	ON LOCATION Pm	JOB START Pm	JOB FINISH Pm
					COUNTY	STATE KS
LEASE Doyle Farm		WELL # 5				

CONTRACTOR Black Gold	OWNER H+M				
TYPE OF JOB surface					
HOLE SIZE 12 1/4	T.D.	CEMENT -	175		
CASING SIZE	DEPTH	AMOUNT ORDERED			
TUBING SIZE	DEPTH				
DRILL PIPE	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	175	@ 14.50	2537.50
DISPLACEMENT 11 6 bbl	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG.		GEL	4	@ 25	100
PERFS		CHLORIDE	6	@ 52	312
		ASC		@	
EQUIPMENT				@	
				@	
PUMP TRUCK				@	
# Jarrod				@	
BULK TRUCK				@	
# Jay				@	
BULK TRUCK				@	
#				@	
				@	
		HANDLNG	185	@ 1.75	360.75
		MILEAGE	71	@ 6.25	1106.25
				TOTAL	

REMARKS	SERVICE		
	DEPT OF JOB	@	
Cir. Cement to Pit	PUMP TRUCK CHARGE	@	900
	EXTRA FOOTAGE	@	
	MILEAGE 71	@ 6.25	443.75
Plug Down @ 3:30 PM	MANIFOLD	@	100
Central time		@	
		TOTAL	

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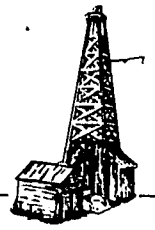
CHARGE TO: H+M	
STREET	STATE
CITY	ZIP

PLUG & FLOAT EQUIPMENT	
8 5/8 Plug	@ 69
Basket	@ 95
Basket	@ 299
2 centralizers	@ 199
	@
	TOTAL 1662.50
TAX	
TOTAL CHARGE	
DISCOUNT (IF PAID IN 20 DAYS)	

To: Schippers Oil Field Service LLC
You are hereby requested to rent cementing equipment and furnish staff 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Robert T. Skeen PRINTED NAME



WHITEHALL EXPLORATION

WELLSITE GEOLOGICAL CONSULTING

GEOLOGICAL ANALYSIS & WELL REPORT

H & M Petroleum Corp.

Doyle's Dome No. 5

660' FSL & 3,223' FEL
Approximately C-SE-SW
Irregular Section
Section 31-Township 17 South-Range 30 West
Lane County, Kansas

November 5, 2008

87 DeFrance Way • Golden, Colorado 80401 • (303) 279-6894

GENERAL INFORMATION

Elevation:	G.L. 2,893' K.B. 2,904' All measurements are from K.B.
Field:	Manning
Drilling Contractor/Rig No.:	Black Gold Drilling/Rig 69
Total Depth:	RTD: 4,690' LTD: 4,688'
Surface Casing:	8 5/8" @ 225'
Production Casing:	5 ½" set
Drill Time Kept:	3,550'-4,690' RTD
Samples Examined:	3,600'-4,690' RTD
Geological Supervision:	3,550'-4,690' RTD
Wellsite Geologist:	Randy Say Consulting Wellsite Geologist-Arvada, CO
Drill Stem Tests:	5 Open Hole Tests: -Kansas City "K" Zone -Kansas City "L" Zone -Marmaton "A" Zone -Marmaton "B" Zone -Cherokee Johnson Zone
Mud Company/Mud Type:	Morgan Mud/Chemical
Electric Logging Company:	Log-Tech
Log Suite:	-Dual Induction -Compensated Neutron/Density Porosity -Microlog
Samples:	Dry cut split & saved
Total Depth Formation:	Mississippian
Well Status:	Production casing set

DAILY DRILLING CHRONOLOGY

2008 Date	7:00 A.M. Depth	24 Hour Footage	7:00 A.M. Operation; 24 Hour Activity
10/20/08	0'	0'	MIRU; spud @ 8:00 A.M., drilling to 225', circ./jet cellar, drop survey, TOOH, run 5 jts 8 5/8" surf. csg. set @ 225' RTD, cement w/175 sx, plug down @ 2:45 P.M., WOC 8', drill out plug @ 10:30 P.M., drilling, dev. survey @ 717', drilling.
10/21/08	1,045'	1,045'	Drilling ahead; jet, dev. survey, bit trip @ 1,278', drilling, lost 60 bbls mud from 1,540'-1,548', dev. survey @ 2,277', drilling.
10/22/08	2,345'	1,300'	Drilling ahead; 30" pump repair, drilling, run premix sweep, drilling.
10/23/08	3,175'	830'	Drilling ahead; mud up @ 3,400', dev. survey @ 3,504', drilling.
10/24/08	3,810'	635'	Drilling ahead; wiper trip @ 3,900', circ. 1', bit trip, circ. 15", drilling.
10/25/08	4,160'	350'	Drilling ahead; jet - clean pits, drilling, CFS @ 4,226', 11 stand short trip, circ. 90", dev. survey, TOOH strapping pipe, PU test tool, TIH, run DST No. 1, TOOH - dump oil to working pit and water to reserve pit, lay down test tool, TIH w/bit - break circ. twice, 30" circ., drilling.
10/26/08	4,240'	80'	Drilling ahead; CFS @ 4,273', TOOH, PU test tool, TIH, run DST No. 2, TOOH, lay down test tool/jet cellar, TIH w/bit - break circ. twice, 30" circ., drilling.
10/27/08	4,365'	125'	Drilling ahead; CFS @ 4,380', TOOH, PU test tool, TIH, run DST No. 3, TOOH, lay down test tool, TIH w/bit - break circ. twice, 30" circ., drilling, CFS @ 4,417', TOOH, PU test tool, TIH.
10/28/08	4,417'	52'	Tripping in hole w/test tool; run DST No. 4, TOOH, lay down test tool, TIH w/bit - break circ. twice, 15" circ., drilling, CFS @ 4,555', TOOH, PU test tool,

			TIH.
10/29/08	4,555'	138'	Tripping in hole; run DST No. 5, TOOH, lay down test tool, clean floor, TIH w/bit - break circ. twice, circ. 15", drilling, reach 4,690' RTD @ 1:30 A.M. 10/30/08, circ. 90", TOOH, rig up and run Log-Tech logs.
10/30/08	4,690'	135'	Logging; rig down loggers, TIH, circ., TOOH laying down drill pipe, rig up csg. crew, run 5 ½" prod. csg., cement csg., rig released.

DEVIATION SURVEYS

Depth	Deviation (Degrees)	Method
225'	1.00	drop
717'	0.50	wireline
1,278'	0.25	drop
2,277'	0.50	wireline
3,504'	0.25	wireline
3,900'	0.50	drop
4,226'	NA	drop
4,555'	0.25	drop

REFERENCE WELLS

Reference Well "A":

H & M Petroleum Corp.
Doyle's Dome No. 1
S/2-SE-SW
330' FSL & 3,300' FEL
Irregular Section 31-T17S-R30W
Lane County, KS
KB: 2,899'
LTD: 4,618'
Date Drilled: July 2008
TD Formation: Mississippian
Status: Kansas City "L" Zone & Marmaton "B" Zone Oil Well

Reference Well "B":

H & M Petroleum Corp.
Doyle's Dome No. 4
S/2-NW-SE-SW
825' FSL & 3,630' FEL
Irregular Section 31-T17S-R30W
Lane County, KS
KB: 2,905'
LTD: 4,693'
Date Drilled: October 2008
TD Formation: Mississippian
Status: Plugged & Abandoned

FORMATION TOPS

	Doyle's Dome No. 5			Doyles Dome 1	Doyles Dome 4	Doyles Dome 2			
FORMATION	SAMPLE	ELECTRIC LOG		REFERENCE	REFERENCE	REFERENCE	DIFFERENCE TO		
	TOPS	TOPS	DATUM	WELL "A"	WELL "B"	WELL "C"	WELL "A"	WELL "B"	WELL "C"
PERMIAN									
Anhydrite	2212	2208	+692	+694	+695	+693	+2	+1	+3
PENNSYLVANIAN									
Topeka	3650	3650	-746	-746	-749	-749	FLAT	+3	+3
Heebner Shale	3884	3884	-980	-980	-983	-980	FLAT	+3	FLAT
Lansing	3920	3922	-1018	-1017	-1021	-1019	-1	+3	+1
Muncie Creek Shale	4103	4104	-1200	-1198	-1205	-1207	-2	+5	+7
Stark Shale	4202	4198	-1294	-1295	-1299	-1303	+1	+5	+9
Ks City "K"/Porosity	4216	4208	-1304	-1304	-1314	-1312	FLAT	+10	+8
Kansas City "L"	4264	4256	-1352	-1349	-1359	-1360	-3	+7	+8
Ks City "L" Porosity	4268	4260	-1356	-1351	-1364	-1368	-5	+8	+12
Base/Kansas City	4317	4314	-1410	-1410	-1415	-1414	FLAT	+5	+4
Marmaton	4342	4340	-1436	-1534	-1442	-1442	+2	+6	+6
Ft. Scott	4442	4460	-1533	-1550	-1539	-1533	+1	+6	FLAT
Cher. Johnson Zone	4528	4520	-1616	-1618	-1621	-1616	+2	+5	FLAT
MISSISSIPPIAN									
Mississippian	4558	4546	-1642	-1647	-1645	-1642	+5	+3	FLAT

ZONES OF INTEREST

Formation	Log Depth	Lithologic & Show Descriptions, Remarks
Kansas City "K"	4,208'-4,231'	Limestone, white-cream, granular, friable-firm, very fossiliferous, chalk matrix, some calcite infill, very fine disseminated pyrite, fair-good porosity, VERY GOOD SHOW: strong odor, medium bright yellow fluorescence, immediate streaming medium yellow live cut, light tan residual dried cut, light tan saturated oil stain, free oil in pinpoint porosity. DST No. 1 isolated this zone and recovered 1,520 feet of fluid (20 barrels) consisting of 100 feet of gassy oil (10% gas, 90% oil), 310 feet of gassy oil and water cut mud (10% gas, 30% oil, 15% water, 45% mud), 310 feet of gas and mud cut oily water (10% gas, 30% oil, 5% mud, 55% water), 765 feet of slightly mud cut water (5% mud, 95% water) and 35 feet of mud with shut in pressures of 866-871 p.s.i. Log-Tech logs show this interval has a very clean blocky gamma ray, very good SP development, 12-15.5% density porosity, 9.5-24% neutron porosity, 23 feet of micro log development from 4,208'-4,231' and has a maximum 30 ohms deep resistivity with an oil/water contact at approximately 4,215 feet.
Kansas City "L"	4,260'-4,273'	Limestone, cream-white, fine crystalline, granular, firm-friable, fossiliferous, slightly oolitic with chalk matrix, slightly pyritic, some silty, fair-good intercrystalline porosity, GOOD SHOW: moderate odor, medium yellow fluorescence, light tan saturated oil stain in fine crystalline and on surface of fossils, immediate streaming yellow live cut, tan residual dried cut. DST No. 2 covered this zone and recovered 603 feet of fluid (7.3 barrels) consisting of 310 feet of gas in pipe, 169 feet of very gassy oil (70% gas, 30% oil), 404 feet of gassy mud cut oil (30% gas, 15% mud, 55% oil) and 30 feet of mud with shut in pressures of 252-251 p.s.i. Log-Tech logs show this formation has a very clean gamma ray, very good SP development, 14 feet of microlog development from 4,259'-4,273',

		15-21.5% neutron porosity, maximum 21.5% density porosity, with a maximum 76 ohms deep resistivity and an oil/water contact at approximately 4,265'.
Marmaton "A"	4,361'-4,366'	Limestone, cream-light tan, granular-crystalline, friable-firm, fossiliferous, abundant chalk matrix with calcite infill, slightly oolitic, very fine disseminated pyrite, fair-good porosity, GOOD SHOW: slight odor, light yellow fluorescence, light tan saturated oil stain, live oil/broken, slow milky crush cut, no dried cut. DST No. 3 covered this interval and recovered 1,647 feet of fluid (21.8 barrels) consisting of 265 feet of oil cut mud (5% oil, 95% mud), 361 feet of oil and mud cut water (1% oil, 5% mud, 94% water), and 1,021 feet of mud cut water (5% mud, 95% water) with shut in pressures of 796-784 p.s.i. Log-Tech logs show this zone has a clean gamma ray, poor-fair SP development, 2 feet of microlog (4,362'-4,364'), 11-21.5% neutron porosity, 12-20.5% density porosity and has a maximum 24 ohms deep resistivity.
Marmaton "B"	4,394'-4,397'	Limestone, tan-medium gray, fine crystalline-granular, hard-medium friable, very fossiliferous, calcite infill and chalk matrix, slightly pyritic, fair fossiliferous and intercrystalline porosity, MEDIUM SHOW: slight odor, medium bright yellow fluorescence, dark brown oil stain on surface, immediate bright yellow streaming cut, tan dried residual cut. DST No. 4 covered this zone and recovered 184 feet of gas in pipe and 123 feet of oil cut mud (5% oil, 95% mud) with shut in pressures of 233-239 p.s.i. Log-Tech logs show this interval has a clean gamma ray, fair SP development, 3 feet of microlog from 4,393-4,396, maximum 8.5% neutron and density porosity, and has maximum 50 ohms deep resistivity.
Johnson Zone	4,529'-4,532'	Limestone, some dolomitic, tan-brown-medium gray-white, fine crystalline, granular, friable-hard, medium fossiliferous with chalky matrix, very fine

disseminated pyrite, trace gray chert, calcite fill in fracture, poor-fair porosity, MEDIUM SHOW: light yellow fluorescence, trace tan saturated oil stain in dolomitic pieces, no free oil, immediate streaming yellow cut, light tan residual halo cut.

DST No. 5 isolated this zone and recovered 123 oil cut mud (5% oil, 95% mud) and has shut in pressures of 1,110-1,046 p.s.i.

Log-Tech logs show this formation has a dirty gamma ray, slight SP development, maximum 7.75% neutron porosity, maximum 6% density porosity, and has a maximum 60 ohms deep resistivity.

DRILL STEM TEST REPORT

H&M Petro.

13570 Meadowgrass Dr.
Ste 101
Colorado Springs CO 80821
ATTN: Randy Say

Doyles Dome #5

31-17s-30w Lane

Job Ticket: 33522 **DST#: 1**

Test Start: 2008.10.25 @ 19:38:05

GENERAL INFORMATION:

Formation: **K Zone**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:54:15
Time Test Ended: 03:33:59

Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 25

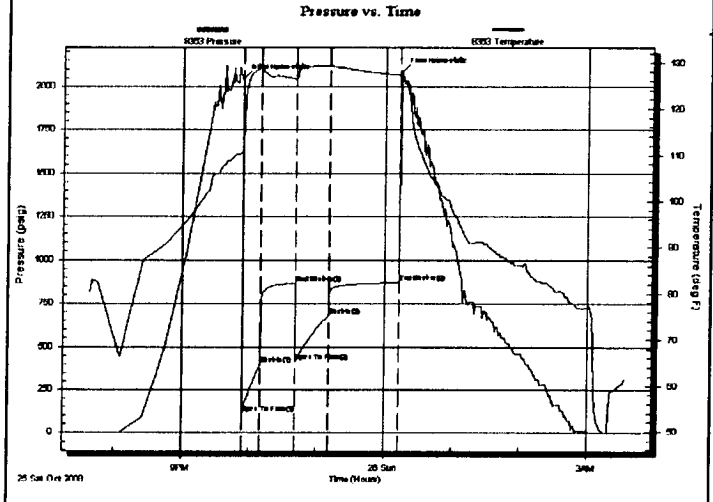
Interval: 4208.00 ft (KB) To 4226.00 ft (KB) (TVD)
Total Depth: 4226.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2102.00 ft (KB)
2094.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8353 **Inside**
Press@RunDepth: 678.09 psig @ 4209.00 ft (KB)
Start Date: 2008.10.25 End Date: 2008.10.26
Start Time: 19:38:05 End Time: 03:33:59

Capacity: 7000.00 psig
Last Calib.: 2008.10.26
Time On Btm: 2008.10.25 @ 21:53:45
Time Off Btm: 2008.10.26 @ 00:14:29

TEST COMMENT: IF:
IS:
FF:
FS:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2046.80	110.82	Initial Hydro-static
1	110.82	111.23	Open To Flow (1)
17	397.17	128.68	Shut-In(1)
48	866.89	126.47	End Shut-In(1)
48	415.62	126.48	Open To Flow (2)
77	678.09	129.31	Shut-In(2)
140	871.85	127.32	End Shut-In(2)
141	2085.48	127.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	M 100%m	0.36
765.00	SMCW 95%w 5%m	9.71
310.00	G,O,&MCW 10%g 30%o 55%w 5%m	4.35
310.00	G,O,&WCM 10%g 30%o 15%w 45%m	4.35
100.00	CG&O 10%g 90%o	1.40
0.00	GIP=0	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

H&M Petro.

13570 Meadowgrass Dr.
Ste 101
Colorado Springs CO 80821
ATTN: Randy Say

Doyles Dome #5

31-17s-30w Lane KS

Job Ticket: 33523 **DST#: 2**

Test Start: 2008.10.26 @ 14:39:05

GENERAL INFORMATION:

Formation: **L Zone**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:25:30
Time Test Ended: 22:41:29

Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 25

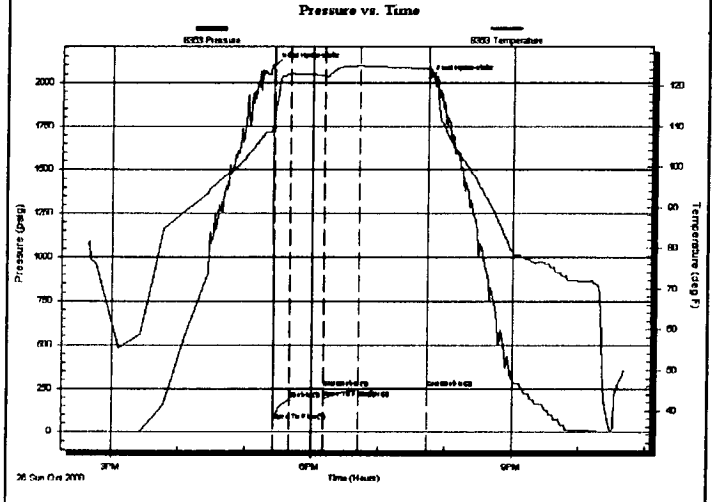
Interval: 4248.00 ft (KB) To 4273.00 ft (KB) (TVD)
Total Depth: 4273.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2102.00 ft (KB)
2094.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8353 **Inside**
Press@RunDepth: 241.34 psig @ 4249.00 ft (KB)
Start Date: 2008.10.26 End Date: 2008.10.26
Start Time: 14:39:05 End Time: 22:41:29

Capacity: 7000.00 psig
Last Calib.: 2008.10.26
Time On Btm: 2008.10.26 @ 17:25:15
Time Off Btm: 2008.10.26 @ 19:43:59

TEST COMMENT: IF: BOB in 3 mins.
IS: Built to 3 1/2 inches.
FF: BOB in 9 mins.
FS: 1/2 inch died in 12 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2093.42	110.08	Initial Hydro-static
1	61.39	109.71	Open To Flow (1)
16	187.24	122.96	Shut-In(1)
46	252.19	122.60	End Shut-In(1)
46	192.32	122.54	Open To Flow (2)
77	241.34	124.88	Shut-In(2)
139	251.46	124.11	End Shut-In(2)
139	2020.70	125.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100%m	0.31
404.00	G&MCO 30%g 55%o 15%m	4.63
169.00	CG&O 70%g 30%o	2.37
0.00	GIP = 310 ft	0.00
0.00	API = 34 @ 50F = 35	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&M Petro.

13570 Meadowgrass Dr.
Ste 101
Colorado Springs CO 80921
ATTN: Randy Sey

Doyles Dome #5

31-17s-30w Lane

Job Ticket: 33729 **DST#: 3**

Test Start: 2008.10.27 @ 11:41:10

GENERAL INFORMATION:

Formation: **MARMATON A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:49:40
Time Test Ended: 19:27:25

Test Type: Conventional Bottom Hole
Tester: KYLE WILEY
Unit No: 25

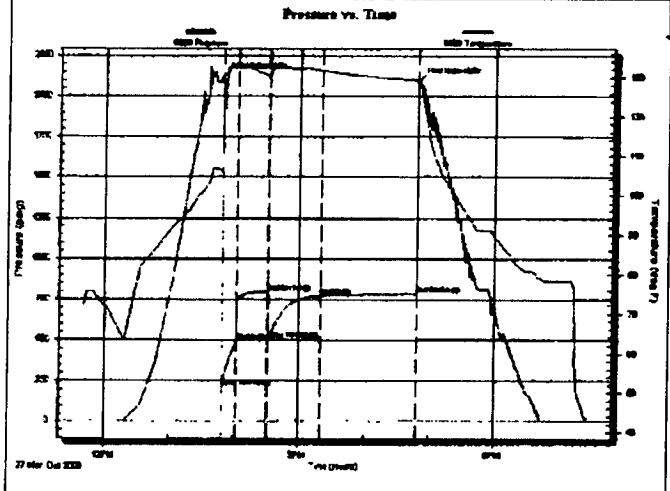
Interval: 4352.00 ft (KB) To 4380.00 ft (KB) (TVD)
Total Depth: 4380.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2102.00 ft (KB)
2094.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8353 **Inside**
Press@RunDepth: 773.91 psig @ 4353.00 ft (KB)
Start Date: 2008.10.27 End Date: 2008.10.27
Start Time: 11:41:10 End Time: 19:27:25

Capacity: 7000.00 psig
Last Calib.: 2008.10.27
Time On Btm: 2008.10.27 @ 13:49:25
Time Off Btm: 2008.10.27 @ 16:49:10

TEST COMMENT: IF: BOB 3 MIN
IS: BUILT 2 1/2" ON RETURN
FF: BOB 2 MIN
FS: NO RETURN



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.37	106.36	Initial Hydro-static
1	210.74	105.92	Open To Flow (1)
14	497.19	132.72	Shut-In(1)
43	796.75	130.50	End Shut-In(1)
43	504.94	130.25	Open To Flow (2)
91	773.91	131.82	Shut-In(2)
179	784.14	129.36	End Shut-In(2)
180	2091.72	129.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1021.00	MOW 5%M 95% W	13.17
361.00	MOCW 5%M 1% O 94%W	5.06
265.00	MCO 95%M 5%O	3.72

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

H&M Petro.

13570 Meadowgrass Dr.
Ste 101
Colorado Springs CO 80921
ATTN: Randy Say

Doyles Dome #5

31-17s-30w Lane

Job Ticket: 33730 DST#: 4

Test Start: 2008.10.28 @ 04:22:10

GENERAL INFORMATION:

Formation: **MARMATON B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:50:10
Time Test Ended: 13:41:10

Test Type: Conventional Bottom Hole
Tester: KYLE WILEY
Unit No: 25

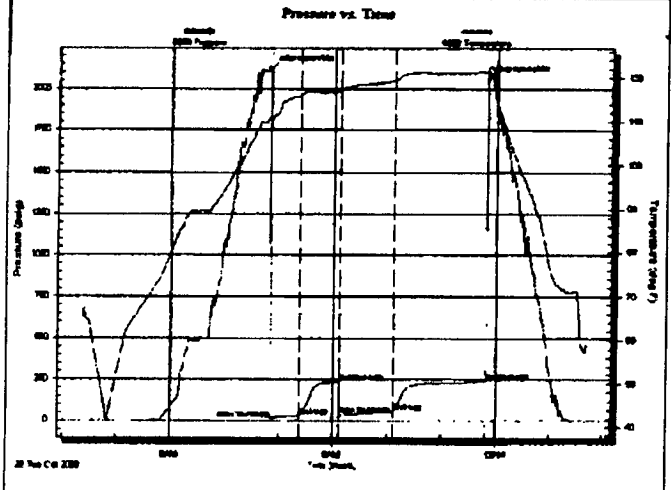
Interval: 4368.00 ft (KB) To 4417.00 ft (KB) (TVD)
Total Depth: 4417.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2102.00 ft (KB)
2094.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8363 **Inside**
Press@RunDepth: 56.57 psig @ 4387.00 ft (KB)
Start Date: 2008.10.28 End Date: 2008.10.28
Start Time: 04:22:10 End Time: 13:41:10

Capacity: 7000.00 psig
Last Calib.: 2008.10.28
Time On Btm: 2008.10.28 @ 07:49:55
Time Off Btm: 2008.10.28 @ 11:49:55

TEST COMMENT: IF: 5" BLOW
IS: NO RETURN
FF: 6" BLOW
FS: NO RETURN



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.21	110.60	Initial Hydro-static
1	15.83	109.51	Open To Flow (1)
34	32.48	115.82	Shut-In(1)
78	233.52	116.84	End Shut-In(1)
78	41.36	116.95	Open To Flow (2)
137	56.57	119.35	Shut-In(2)
240	239.72	121.32	End Shut-In(2)
240	2057.57	122.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	OCM 5%O 95%M	1.26
184.00	GIP 100%G	1.90

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

H&M Petro.

13570 Meadowgrass Dr.
Ste 101
Colorado Springs CO 80921
ATTN: Randy Say

Doyles Dome #5

31-17s-30w Lane

Job Ticket: 33731 **DST#: 5**

Test Start: 2008.10.29 @ 04:57:52

GENERAL INFORMATION:

Formation: JOHNSON
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:04:07
Time Test Ended: 13:07:22

Test Type: Conventional Bottom Hole
Tester: KYLE WILEY
Unit No: 25

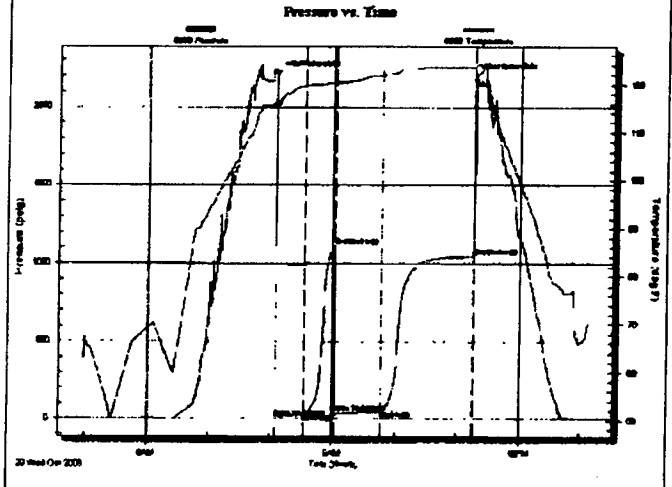
Interval: 4500.00 ft (KB) To 4555.00 ft (KB) (TVD)
Total Depth: 4555.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2102.00 ft (KB)
2094.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8353 Inside
Press@RunDepth: 53.02 psig @ 4501.00 ft (KB)
Start Date: 2008.10.29 End Date: 2008.10.29
Start Time: 04:57:52 End Time: 13:07:22

Capacity: 7000.00 psig
Last Calib.: 2008.10.29
Time On Btm: 2008.10.29 @ 08:03:52
Time Off Btm: 2008.10.29 @ 11:16:07

TEST COMMENT: IF: 3" STEADY BUILD BLOW
IS: NO RETURN
FF: 7 1/2" STEADY BUILDING BLOW
FS: NO RETURN



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.05	116.48	Initial Hydro-static
1	17.18	115.54	Open To Flow(1)
28	31.23	119.65	Shut-In(1)
58	1110.71	120.40	End Shut-In(1)
58	41.23	120.17	Open To Flow(2)
103	53.02	121.93	Shut-In(2)
192	1046.78	123.59	End Shut-In(2)
193	2194.38	124.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	OCM	1.26
	5% oil / 95% Mud	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

SUMMARY

The Doyle's Dome No. 5 well location was based on a 3-D seismic survey shot over the Doyle's Dome Prospect and was drilled as a step out development location approximately 330 feet north of the H & M Petroleum Doyle's Dome No. 1 (S/2-SE-SW-Section 31-T17S-R30W), a multiple pay zone oil discovery drilled in July 2008.

The Doyle's Dome No. 5 is located approximately 10 miles west and 3 miles north of Dighton, Kansas in an irregular section due to the Scott/Lane county line and is located on the northeastern side of the Manning Field.

The primary objectives in the Doyle's Dome No. 5 included the: Lansing "E" Zone, Kansas City "H", "K" and "L" Zone's, and the Marmaton "A" and "B" Zone's. Secondary objectives included the Toronto, Lansing "B" and "D" Zone's, Pawnee, Ft. Scott, Cherokee Johnson Zone, and Mississppian Formation's.

During drilling, five open hole drill stem test's were run in the Doyle's Dome No.5. DST No. 1 isolated the Kansas City "K" Zone, DST No. 2 isolated the Kansas City "L" Zone Porosity, DST No. 3 isolated the Marmaton "A" Zone, DST No. 4 isolated the Marmaton "B" Zone, and DST No. 5 covered the Cherokee Johnson Zone Formation.

The Doyle's Dome No. 5 well was spudded on October 20, 2008 and production casing was set on October 30, 2008. No significant drilling problems were encountered during the drilling of this well.

The well was under 24-hour geological supervision from 3,550 feet to 4,690 feet RTD. Wet and dry drilling samples were caught by the drilling crews from 3,600 feet to 4,690 feet RTD at 10-foot intervals. All lithologic descriptions were lagged to true depth by the consulting wellsite geologist.

Hydrocarbon Shows

Numerous minor to very significant oil sample shows were observed and recorded in the drill cuttings/samples during the drilling of the Doyle's Dome No. 5 well, and included the:

-Kansas City "K" Zone-Very Good Show (strong odor, saturated stain and free oil (DST No. 1)

-Kansas City "L" Zone-Good Show (moderate odor, saturated oil stain (DST No. 2)

-Marmaton "A Zone-Good Show (slight odor, light saturated oil stain, free/live oil (DST No.3)

-Marmaton "B" Zone-Medium Show (slight odor, oil stain on surface (DST No. 4)

-Cherokee Johnson Zone-Medium Show (saturated oil stain (was not drill stem tested)

Complete lithologic descriptions and hydrocarbon sample shows can be found in the detailed "Zones of Interest" portion of this geologic report. Complete Drill Stem Test fluid recovery results and pressures can be found in this report under Drill Stem Tests.

Structural Position

The Doyle's Dome No. 5 runs structurally mixed to the Doyle's Dome No. 1 oil discovery/Reference Well "A" and predominately structurally high throughout the well in relation to the Doyle's Dome No. 4 dry hole/Reference Well "B".

Compared to Reference Well "A"/H & M Petroleum Doyle's Dome No. 1 (S/2-SE-SW-Section 31-T17S-R30W), the Doyle's Dome No. 5 runs: +2 feet high at the Stone Corral Anhydrite, flat at the Heebner Shale, -1 foot low at the Top/Lansing, flat at the Kansas City "K" Zone, -5 feet low at the Kansas City "L" Zone Porosity, +2 feet high at the Marmaton, +1 foot high at the Ft. Scott, +2 feet high at the Cherokee Johnson Zone, and +5 feet high at the Mississippian.

Compared to Reference Well "B"/H & M Petroleum Doyle's Dome No. 4 (S/2-NW-SE-SW-Section 31-T17S-R30W), the Doyle's Dome No. 5 runs: +1 foot high at the Stone Corral Anhydrite, +3 feet high at the Heebner Shale, +3 feet high at the Top/Lansing, +5 feet high at the Stark Shale, +10 feet high at the Kansas City "K" Zone, +8 feet high at the Kansas City "L" Zone Porosity, +6 feet high at the Marmaton, +6 feet high at the Ft. Scott, +5 feet high at the Cherokee Johnson Zone, and +3 feet high at the Mississippian.

A structural comparison of all the picked Formation Tops in this well, in relation to Reference Well's "A" and "B", can be found in the detailed "Formation Tops" table in this geologic report.

Conclusion

The Doyle's Dome No. 5 well is located on the northeastern side of the Manning Field and is a development well located approximately due north 330 feet of the H & M Petroleum Doyle's Dome No. 1 Kansas City "L" Zone and Marmaton "B" Zone oil discovery well (Reference Well "A"), and was based on the interpretation of the Doyle's Dome Prospect 3-D seismic survey combined with recent new drilling well control/subsurface geology.

The hydrocarbon sample shows observed and recorded in the Kansas City "K" Zone, Kansas City "L" Zone, Marmaton "A" Zone, and Marmaton "B" Zone, were all drill stem tested. The Kansas City "K" Zone and the Kansas City "L" Zone both recovered some free oil on their respective drill stem tests.

Structurally, the Doyle's Dome No. 5 development well ran from -5 feet low to + 5 feet high structurally through the primary and secondary objective formation's compared to the H & M Petrroleum Doyle's Dome No. 1 multiple pay zone oil producer, with the Kansas City "K" Zone running flat, and the Kansas City "L" Zone Porosity running -5 feet low, compared to the Doyle's Dome No. 1.

Based on the recorded sample free oil shows, the fluid recovey results of the drill stem test's, the favorable structural position of the primary and secondary objectives, and Log-Tech log analysis and evaluation confirmining reservoir development in the zone's that recovered hydrocarbons on Drill Stem Test's 1,2, 4 and 5, production casing was set in the Doyle's Dome No. 5.

Respectfully Submitted,

Richard J. Hall

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Whitehall Exploration