



OPERATIONS SUMMARY

Well Name: OM12B L15 696

API/UWI 05045149680000	AFE Number C11 072001	APD State COLORADO	Surface Legal Location NWSW Sec 15 T6S R96W
Field Code OM L15 696	Spud Date 12/20/2010	Rig Release Date 1/1/2011	KB-Ground Distance (ft) 23.00
			Ground Elevation (ftKB) 8,402

Daily Operations

12/19/2010 06:00 - 12/20/2010 06:00

Operations at Report Time

Drilling 16" Surface Hole at 227'

Operations Next 24 Hours

Drill 16 " Surface Hole

Operations Summary

Walk rig 20' to OM 12B center and level. Weld landing ring on 20" conductor. Nipple up QC conductor riser and modify flow line. Pre-spud inspection and SM. Pick up directional tools. Spud well and 0030 hrs, 12-20-10. Drill from 119' to 227'.

Time Log

Comment

Walk rig 20' to OM 12B, center and level.

Weld on conductor load ring. Nipple up QC conductor riser, weld on brackets for turn buckles and secure riser. Rig up festoon track and stand at flow line. Nipple up flow line. Change out bales and elevator. Hook up derrick climber, Geronimo line and middle sub landings.

Nipple up flow line. Install hand rails on mid level cat walk, cellar covers, center conductor and mouse hole.

Perform pre-spud inspection and get floor ready.

Held pre-spud meeting.

Pick up directional tools and orient. Tag cement at 119'

Drill from 119' to 201'

Stand back stand of HWDP and pick up 6 1/2" DC.

Drill from 201' to 227'

12/20/2010 06:00 - 12/21/2010 06:00

Operations at Report Time

Change out Rotating Head Rubber

Operations Next 24 Hours

Drill 16" Surface Hole to TD. Circulate and Condition Hole

Operations Summary

Drill from 227' to 1592'. Service rig and top drive. Circulate hole clean. Change out rotating head rubber.

Time Log

Comment

Drill w/slides and surveys from 227' to 260'. 545 gpm mud. WOB 20K, 40 rpm, MM 87 rpm.

Stand back 1 std HWDP. P/U 1-8" DC and 1-6 1/2" DC.

Drill w/slides and surveys from 260' to 320'. 545 gpm mud and 500 cfm DP air. WOB 30K, 40 rpm, MM 87 rpm.

Stand back 1 std HWDP. P/U 2-6 1/2" DC

Drill w/slides and surveys from 320' to 835'. 740 gpm mud and 1500 cfm DP air. WOB 30-40K, 40 rpm, MM 118 rpm

Service rig and top drive. Check C.O.M.

Drill w/slides and surveys from 835' to 1592'. 740 gpm < 645 gpm and 1500 cfm > 2000 cfm DP air. WOB 35-40K, MM 102 rpm

Circulate hole clean and build volume

Pull 1 stand. Change out leaking rotating head rubber.

12/21/2010 06:00 - 12/22/2010 06:00

Operations at Report Time

Drilling 16" Surface Hole at 2852'

Operations Next 24 Hours

Drill 16" Surface Hole to TD, 2916', Circulate, TOO H and RIH Surface Casing with Parasite Line

Operations Summary

Change rotating head rubber. Establish circulation and sweep hole. Service rig and top drive. Drill from 1592' to 2852'.

Time Log

Comment

Finish changing out rotating head rubber

Establish circulation, pump sweep and bottoms up

Service rig and top drive

Drill w/slides and surveys from 1592' to 2852'. 645 gpm < 545 gpm and 2000 cfm > 3200 cfm. WOB 30-35K, 40 rpm, MM 103 rpm < 87 rpm.

12/22/2010 06:00 - 12/23/2010 06:00

Operations at Report Time

Road Washed Out, Wait on Parasite Welder

Operations Next 24 Hours

Run 9 5/8" Surface Casing, Cement and Top Out

Operations Summary

Drill from 2852' to 2916', TD surface hole. pump sweep, circulate and condition. Short trip 5 stands. Sweep hole and circulate clean. TOO H and lay down directional tools. M/U bit sub, bit, DCs and TIH for clean out run. Sweep hole and circulate clean. TOO H and lay down DCs. Nipple down Conductor riser. Wait on parasite welder and half of daylight crew due to road on switch backs being washed out. Casing crew on location.

Time Log

Comment

Drill from 2854' to 2916', TD surface hole. 545 gpm mud and 3200 cfm DP air. WOB 35K, 40 rpm, MM 87 rpm.

Pump sweep, circulate hole clean

Short trip 5 stand to 2440' and back to bottom

Pump sweep, circulate and condition for casing.

TOOH. Pulled tight off bottom, back reamed to 1350'.

Stand back 6 1/2" and 8" DC. Lay down directional tools.

Latch up 8" DC, M/U 16" bit and bit sub.

TIH for clean out run. Wash and ream tight hole from 2420' to bottom.

Establish circulation, sweep hole and circulate clean.

TOOH, back ream 2 stands off bottom.

Lay down 6 1/2" and 8" DC

Nipple down QC conductor riser. Road on switch backs washed out. Parasite welder and half of rig crew waiting on road to be repaired. Casing crew on location.



OPERATIONS SUMMARY

Well Name: OM12B L15 696

Daily Operations

12/23/2010 06:00 - 12/24/2010 06:00

Operations at Report Time

Nipple up BOPE

Operations Next 24 Hours

Top Out Surface Casing Cement, NU, Test BOPE, Drill Out and Drill 8 3/4" Production Hole

Operations Summary

Wait on road repairs on switch backs for parasite welder arrival. PJSM with all parties. Walk rig for better alignment over hole. RIH 67 jts 9 5/8" 36 ppf, J-55 surface casing, landed at 2880'. R/D casers, R/U cementers. Pump primary surface cement. Lead, 1338 sks (670 bbls) 11.6 ppg. Tail, 200 sks (52 bbls) 14.2 ppg. Displace with 228 bbls water. Nipple up BOPE

Time Log

Comment

Wait on daylight crew and parasite line welder.

Held PJSM with casers

While waiting on daylight crew and parasite welder. MU guide shoe, shoe joint, float collar and 2nd joint of casing.

Walk rig to off-side for better alignment over conductor

RIH total of 67 joints of 9 5/8" 36 ppf, J-55 surface casing with 83 joints of 1.9" parasite line

M/U pup, casing head, load ring and landing joint. Land casing on load ring at 2880'. Rig down casing crew.

Rig up cementers and held PJSM on cementing surface casing

Pump 20 bbl fresh water spacer. Pump 1338 sks (670 bbls) Type III, 11.6 ppg, 2.81 cf/sk yield, 16.15 gal/sk mix water Lead Cement. 200 sks (52 bbls) Type III, 14.2 ppg, 1.46 cf/sk yield, 7.33 gal/sk mix water. Displace with 229 bbls fresh water. Bump plug, float held. FCP 268 psi. Pump 25 bbls sugar water down parasite line.

Lay down landing joint

Nipple up BOPE and function test

12/24/2010 06:00 - 12/25/2010 06:00

Operations at Report Time

Change out Failed MWD

Operations Next 24 Hours

TIH after change out MWD. Drill 8 3/4" Production Hole

Operations Summary

Nipple up BOPE. Top out surface casing cement. Test BOPE. P/U PDC and directional BHA and orient tools. Service rig and center top drive track. Slip and cut 96' of drilling line. TIH to 2780', circulate casing. Drill out and drill formation from 2916' to 3053'. MWD failure, no signal. TOOH and change out MWD

Time Log

Comment

Pump top out cement and apply pea gravel through hopper and trough. Start pressure testing BOPE.

Got cement to surface, fell back 6', bump cement to surface twice, observed level. Cement level held at surface. Rig down cementers.

Pressure test BOPE. Change out failed lower manual valve. Tested 5000 psi high, 250 psi low

Install wear bushing.

Rack BHA and prep floor to P/U BHA

P/U directional BHA. Scribe and orient MWD

TIH HWDP

Service rig

Slip and cut 96' to drilling line and center top drive track.

TIH to above top of plug, 2830'

Establish circulation. Check for leaks

Drill out plug, cement, guide shoe and rat hole cement.

Drill from 2916' to 3053'. 545 gpm mud 1200 cfm parasite air.

No signal, no surveys from MWD. TOOH to change out MWD

Change out MWD. Troubleshoot electrical problem to drying shakers.

12/25/2010 06:00 - 12/26/2010 06:00

Operations at Report Time

Drilling 8 3/4" Production Hole

Operations Next 24 Hours

Drill 8 3/4" Production Hole

Operations Summary

Orient MWD and TIH. Drill from 3053' to 4347' including Rig Service. Rig Repair, Circulate and change out saver sub and joint of DP with old saver sub torqued in it. Drill from 4347' to 5039'

Time Log

Comment

Calibrate and Orient MWD after changing out failed tool.

Trip in hole

Drill w/slides and surveys from 3053' to 3873'. 545 gpm mud and 1200 > 1400 cfm parasite air. WOB 5-10, 40 rpm, MM 131 rpm. 103 ft/hr

Service rig and top drive

Drill w/slides and surveys from 3873' to 4347'. 545 gpm and 1400 cfm parasite air. WOB 5-10K, 40 rpm, MM 130 rpm. 135.4 ft/hr

On connection at 4753', instead of breaking at tool joint of DP, broke at lower manual and IBOP valve. Circulated sweep around and broke out top joint of DP w/saver sub and layed down. Replace saver sub and joint of DP

Drill w/slides and surveys from 4347' to 5039'. 545 gpm mud and 1400 cfm parasite air. WOB 5-15K, 40 rpm, MM 130 rpm. 99 ft/hr

12/26/2010 06:00 - 12/27/2010 06:00

Operations at Report Time

Drilling 8 3/4" Production Hole

Operations Next 24 Hours

Drill 8 3/4" Production Hole and Trip for 7 7/8" PDC

Operations Summary

Drill from 5039' to 5668'. Service Drawworks and TDS. Drill from 5668' to 6806'. Trip out 3 stands to change out saver sub.



OPERATIONS SUMMARY

Well Name: OM12B L15 696

Time Log

Comment

Drill w/slides to vertical and surveys from 5039' to 5668'. Service Drawworks and Top Drive. 545 gpm mud and 1400 cfm parasite air. WOB 14-18K, 40-50 rpm, MM 130 rpm. 20-30 ft slides per stand to vertical. ROP 54.7/hr in drop section

Service Drawworks and Top Drive

Drill w/slides to vertical and surveys from 5668' to 6806'. 545 gpm mud and 1400 cfm > 2200 cfm parasite air. WOB 12-18K, 40-50 rpm, MM 130 rpm. ROP 98.9 ft/hr in vertical section

Trip out 3 stands to change out saver sub.

Daily Operations

12/27/2010 06:00 - 12/28/2010 06:00

Operations at Report Time

Wash to Bottom from 7279' to 7469

Operations Next 24 Hours

Drill 7 7/8" Production Hole

Operations Summary

Unscheduled Rig Service, change out saver sub. Drill from 6806' to 7469'. Pump sweep, circulate hole clean. TOOH for bit. Change out bit, mud motor and orient directional tools. TIH, wash down last 2 stands.

Time Log

Comment

Unscheduled Rig Service, change out saver sub.

Drill w/slides and surveys from 6806' to 7469'. 545 gpm < 470 gpm mud and 2200 cfm > 3200 cfm. WOB 16-22K, 40-50 rpm, MM 130 rpm < 112 rpm. ROP 53.4 ft/hr

Pump sweep and circulate hole clean. Reciprocate and rotate

TOOH for 7 7/8" PDC. First 9 stands off bottom pulled tight.

Change out bit, mud motor and orient directional tools

TIH, wash down 2 stands to bottom

12/28/2010 06:00 - 12/29/2010 06:00

Operations at Report Time

Drilling 7 7/8" Production Hole @ 8733'

Operations Next 24 Hours

Drill 7 7/8" Production Hole

Operations Summary

Drill 7 7/8" Production hole f/ from 7479' to 8733'. Serviced Drawworks and TDS.

Time Log

Comment

Drill 7 7/8" hole w/slides and surveys from 7469' to 7944'. 475 gpm mud and 2800 cfm WOB 16-22K, 40-50 rpm, MM 80 rpm. ROP 47.5 ft/hr

Service rig & TDS

Drill 7 7/8" hole w/slides and surveys from 7944' to 8733'. 475 gpm mud and 2800 cfm WOB 16-22K, 40-50 rpm, MM 80 rpm. ROP 58.4 ft/hr

12/29/2010 06:00 - 12/30/2010 06:00

Operations at Report Time

Drilling 7 7/8" Production Hole @ 10,094'

Operations Next 24 Hours

Drill 7 7/8" Production Hole to TD @ 10,275'

Operations Summary

Drill 7 7/8" Production hole f/ from 8733' to 10,094'. Serviced Drawworks and TDS.

Time Log

Comment

Drill 7 7/8" hole w/slides and surveys from 8733' to 9177'. 475 gpm mud and 2800 - 3000 cfm WOB 16-22K, 40-50 rpm, MM 80 rpm. ROP 42 ft/hr

Service rig & TDS

Drill 7 7/8" hole w/slides and surveys from 9177' to 10094'. 475 gpm mud and 2800 - 3000 cfm WOB 16-22K, 40-50 rpm, MM 80 rpm. ROP 70.5 ft/hr

12/30/2010 06:00 - 12/31/2010 06:00

Operations at Report Time

Trip out f/ 4 1/2" Production casing.

Operations Next 24 Hours

Cont. POOH, L/D Tools, R/U & RIH w/ 4 1/2" Prod. casing & cement same.

Operations Summary

Drill 7 7/8" Production hole f/ from 10,094' to 10,283' TD @ 09:30 12/30/10. Back-Reamed to 9700' & POOH to 8100' Back-ream f/ 8100' to 7400'. Wash f/ 7400' to 8100' & RIH to 10,283'. Circ. Hi-Vis sweep, Trip out f/ 4 1/2" production casing.

Time Log

Comment

Drill 7 7/8" hole w/slides and surveys from 10,094' to 10,283'. 475 gpm mud and 2800 - 3000 cfm WOB 16-22K, 40-50 rpm, MM 80 rpm. ROP 54 ft/hr

Circ. Sweep & Cond. f/ wiper trip.

Back-Ream f/ 10,283' to 9700' & POOH to 8100'

Rig genset went down due to fuel transfer problems.

Service rig & TDS

Back-Ream f/ 8,100' to 7,400'

Wash in f/ 7400' to 8100', Trip in f/ 8100' to 10,283'

Break circulation & Circ. - Condition f/ 4 1/2" Production casing run.

Blow down stand pipe & rotary hose. POOH f/ 4 1/2" Production casing run.

12/31/2010 06:00 - 1/1/2011 06:00

Operations at Report Time

N/D BOP & prepare to skid

Operations Next 24 Hours

Skid rig to OM 12D, R/U & Prepare to spud.

Operations Summary

Tripped out f/ 4 1/2" production casing. L/D Bit & directional tools, Pulled wear bushing, Changed bails & preped floor f/ casing running operations, R/U Weatherford TRS casers, RIH w/ 233 jts. 4 1/2" #11.60 P-110 LT&C, Circ. & cement, R/D Cementers.



OPERATIONS SUMMARY

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Time Log

Comment

Cont. POOH f/ 4 1/2" Production casing run.

Pull wear bushing

Change bails & R/U floor f/ casing running operations.

R/U Weatherford TRS casers.

Held pre-job safety meeting & RIH w/ 233 joints #11.60 P-110 LT&C casing.

Marker joint "A" @ 7,744.5'

Marker joint "B" @ 5,098.7'

Float Collar @ 10,207.7'

Shoe @ 10,254'

M/U Landing joint w/ rotating head element. Land & P/U 2'.

M/U Cement head & circ. w/ 350 gpm & 2500 scfm on parasite. Rig up BJ cementers.

Held pre-job safety meeting & cement casing as follows:

Spacer: 20 bbl. Surfactant wash + Claytreat

Spacer: 30 bbl. Mud Clean + Claytreat

Spacer: 20 bbl. Surfactant wash + Claytreat

Pumped 822 sx. 35:65 Poz Type III cement + .04 lbs/sx Static Free + .65% bwoc R-3 + .25 lbs/sx Cello Flake + 3 lbs/sx Kol Seal + 20% Kol Seal + 20% bwoc

Silica Flour + 0.3% bwoc BA-59 + .05/gals FP + 126.4% Fresh Water 12.5 ppg 2.51 yield: Displaced w/ 158.2 bbls Claytreat Water @ 8.34. Bumped plug @

05:35; FCP: 900 psi. Bumped plug w/ 500 psi. Ran 2500 scfm on parasite line throughout cementing & displacing. Landed mandril w/ 125,000 lbs.

L/D landing jt. & R/D cementers.

Daily Operations

1/1/2011 06:00 - 1/2/2011 06:00

Operations at Report Time

Skid to OM 12D

Operations Summary

N/D BOP & Release rig @ 10:00 Jan. 1, 2011

Operations Next 24 Hours

Skid rig to OM 12D, R/U & Prepare to spud.

Time Log

Comment

Nipple down BOP & Prepare to skid