

New Mexico
Energy Minerals and Natural Resources Department

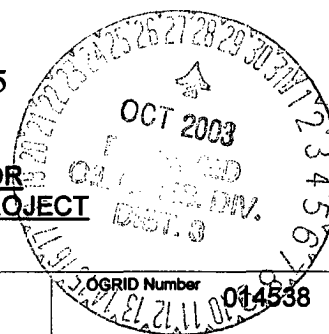
Form C-140
Revised 06/99

District I - (505) 393-6161
1625 N. French Dr, Hobbs, NM 88240
District II - (505) 748-1283
1301 W. Grand Avenue, Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road, Aztec, NM 87410
District IV - (505) 476-3440
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
(505) 476-3440

**SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE**

**APPLICATION FOR
WELL WORKOVER PROJECT**



I. Operator and Well

Operator name address Burlington Resources Oil and Gas Co. LP Box 4289, Farmington, NM 87499						OGRID Number 014538
Contact Party Leslie D. White						Phone 505/326-9700
Property Name ANGEL PEAK B				Well Number 45		API Number 3004525668
UL I	Section 24	Township 28N	Range 11W	Feet From The 1839 FSL	Feet From The 697 FEL	County SAN JUAN

II. Workover

Date Workover Commence 3/15/03	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed: 3/22/03	

- III. Attach a description of the Workover Procedures performed to increase production.
- IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.
- V. AFFIDAVIT:

State of <u>New Mexico</u>)	
County of <u>San Juan</u>) ss.	
<u>Leslie D. White</u> , being first duly sworn, upon oath states:	
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.	
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.	
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.	
Signature <u>Leslie D. White</u>	Title <u>Sr. Accountant</u> Date <u>10/22/03</u>
SUBSCRIBED AND SWORN TO before me this <u>22</u> day of <u>October</u> , <u>2003</u> .	
Notary Public	
My Commission expires: <u>September 15, 2004</u>	

FOR OIL CONSERVATION DIVISION USE ONLY:

IV. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed 3/22/03.

Signature District Supervisor <u>[Signature]</u>	OCD District <u>3</u>	Date <u>12/6/03</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

ANGEL PEAK B 45**3004525668****721319****82329****REG DTL DT GAS PROD GAS PROD**

01-Feb-00	323	
01-Mar-00	1267	
01-Apr-00	1227	
01-May-00	1498	
01-Jun-00	1417	
01-Jul-00	910	
01-Aug-00	1423	
01-Sep-00	1476	
01-Oct-00	1515	
01-Nov-00	1058	
01-Dec-00	1084	
01-Jan-01	874	
01-Feb-01	629	
01-Mar-01	606	
01-Apr-01	205	
01-May-01	0	
01-Jun-01	0	
01-Jun-01	0	
01-Jul-01	0	
01-Aug-01	0	
01-Sep-01	0	
01-Oct-01	0	
01-Nov-01	30	
01-Dec-01	0	
01-Jan-02	0	
01-Feb-02	0	
01-Mar-02	0	
01-Apr-02	0	
01-May-02	0	
01-Jun-02	0	
01-Jul-02	0	
01-Aug-02	0	
01-Sep-02	0	
01-Oct-02	0	
01-Nov-02	0	
01-Dec-02	0	
01-Jan-03	0	
01-Feb-03	0	
01-Mar-03	0	835
01-Apr-03	0	1500
01-May-03	0	1144
01-Jun-03	0	801

Operations Summary Report

Legal Well Name: ANGEL PEAK B #45
 Common Well Name: ANGEL PEAK B #45
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Spud Date: 08/06/1983
 Start: 03/14/2003 End: 03/22/2003
 Rig Release: 03/22/2003 Group:
 Rig Number: 26

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/15/2003	06:00 - 06:30	0.50	SRIG	a	MIRU	ROAD CREW TO SJ 29-7 # 88A. START RIG
	06:30 - 06:45	0.25	SAFE	a	MIRU	SAFETY MEETING
	06:45 - 08:15	1.50	MIMO	a	MIRU	ROAD RIG TO LOCATION
	08:15 - 12:30	4.25	RURD	a	MIRU	SICP - 0 PSI, SITP - SPOT IN RIG & EQUIP. R/U DERRICK @ HALF-MAST. N/D WH, N/U BOP. R/U 6" BLOOIE LINE. FINISH R/U. DERRICK IN AIR @ 1145 HRS. R/U FLOOR. UNSEAT TBG HANGER
	12:30 - 13:00	0.50	RRSR	a	OBJECT	REPAIR DRUM BRAKE LINKAGE. { FOUND COTTER PINS MISSING }
	13:00 - 14:15	1.25	TRIP	a	OBJECT	TOOH W/ 144 JTS 2-3/8" TBG.
	14:15 - 14:30	0.25	RURD	a	OBJECT	FIRST 15 STDS OUT & BOTTOM 2 STDS HAD HVY SCALE ON RU BWWC
	14:30 - 15:15	0.75	CASE	a	OBJECT	RUN 6.250 GAUGE RING ON WIRELINE TO 3300'. SET 7" CIBP @ 3254'. R/D BWWC
	15:15 - 15:30	0.25	PUMP	a	OBJECT	NOTE: FOUND FLUID LEVEL @ 1050'
	15:30 - 15:45	0.25	RURD	a	OBJECT	LOAD HOLE W/ 49 BBLS 2% KCL
	15:45 - 16:00	0.25	PRES	a	OBJECT	SET 7" PKR @ 31'. R/U THREE RIVERS PUMP TRUCK
	16:00 - 16:45	0.75	RURD	a	OBJECT	PSI TEST W/ 3000 PSI FOR 10 MIN. TEST OK
	16:45 - 17:30	0.75	SHDN	a	OBJECT	L/D PKR. XO TO 2-7/8" RAMS & ELEVATORS
	17:30 - 18:00	0.75	SHDN	a	OBJECT	SECURE WELL. SDFWE. WAITING ON FRAC CREW
03/18/2003	06:00 - 06:30	0.50	SRIG	a	OBJECT	ROAD CREW TO LOCATION. START RIG
	06:30 - 06:45	0.25	SAFE	a	OBJECT	SAFETY MEETING
	06:45 - 07:30	0.75	RURD	a	OBJECT	R/U BWWC.
	07:30 - 08:00	0.50	PERF	a	OBJECT	FUNCTION TEST BOP RAMS
	08:00 - 09:00	1.00	RURD	a	OBJECT	PERF CHACRA @ 3168',3166',3114',3102',3085',3080',3020',3004',2998',2989',2983',2924',2903',2871',2865',2858',2855',2847',2845',2790',2737',2569',2567',2527',523', W/ 3-1/8" HSC, 1 SPF, 0.32 DIA, 25 HOLES TOTAL, SET 7" FB PKR @ 31' ON 1 JT 2-7/8" L-80 TBG. R/U FRAC MANDREL & VALVE.
03/19/2003	09:00 - 13:30	4.50	WAIT	a	OBJECT	WAIT ON SCHLUMBERGER FRAC CREW. SDFD. CREW DELAYED ON NON BR LOCATION
	06:00 - 07:00	1.00	SRIG	a	OBJECT	ROAD RIG CREW & FRAC CREW TO LOCATION
	07:00 - 08:00	1.00	RURD	a	OBJECT	R/U SCHLUMBERGER
	08:00 - 08:15	0.25	PRES	a	OBJECT	PRIME PUMPS, COOL DOWN N2. PSI TEST LINES W/ 4000 PSI
	08:15 - 08:30	0.25	SAFE	a	OBJECT	SAFETY MEETING, { FRAC PROCEDURE, MAX PSI, EMERGENCY PROCEDURES }, 26 PEOPLE PRESENT
	08:30 - 09:30	1.00	FRAC	a	OBJECT	BRK-DWN CHACRA @ 2392 PSI @ 4 BPM. FRAC W/ 649 FLUID BBLS, 20# LINEAR GEL, 75 QUALITY FOAM, & 200,000 LBS 20/40 SAND @ 1 > 3 PPG. FLUSH W/ 32 FLUID BBLS. AIR - 53 BPM, MAX RATE - 56 BPM. AIP -2539, MAX PSI -2810, MIN PSI -2323. ISIP - 1932
	09:30 - 10:00	0.50	RURD	a	OBJECT	R/D FRAC EQUIP. R/U FLOW BACK LINE
	10:00 - 06:00	20.00	FLOW	a	OBJECT	SICP - 1450 PSI. START FLOW BACK THRU 16/64 CHOKE
						TIME—PSI—CHOKE—RETURNS
						1100 1400 16/64 DENSE MIST-NO SAND
						1200 1500 16/64 DENSE MIST,LITE SAND,XO TO 20/64
						1300 1500 20/64 DENSE MIST,LITE SAND
						1400 1550 20/64 DENSE MIST,LITE SAND
						1500 1500 20/64 DENSE MIST,MED SAND
						1600 1500 20/64 DENSE MIST,HVY SAND,XO TO 16/64
						1700 1500 16/64 DENSE MIST,HVY SAND
						1800 1400 16/64 LITE MIST,V.HVY SAND,XO TO 8/64
						1900 1370 8/64 LITE MIST,V. HVY SAND
						2000 1350 8/64 LITE MIST,HVY SAND
						2100 1320 8/64 LITE MIST,HVY SAND

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Operations Summary Report

Legal Well Name: ANGEL PEAK B #45
 Common Well Name: ANGEL PEAK B #45
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Spud Date: 08/06/1983
 Start: 03/14/2003 End: 03/22/2003
 Rig Release: 03/22/2003 Group:
 Rig Number: 26

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/19/2003	10:00 - 06:00	20.00	FLOW	a	OBJECT	2200 1300 8/64 LITE MIST,HVY SAND 2300 1280 8/64 LITE MIST,MED SAND 2400 1260 8/64 LITE MIST,LITE SAND,OX TO 10/64 0100 1225 10/64 LITE MIST,LITE SAND,OX TO 12/64 0200 1200 12/64 LITE MIST,LITE SAND,XO TO 16/64 0300 1180 16/64 LITE MIST,LITE SAND,XO TO 20/64 0400 1150 20/64 MED MIST,LITE SAND 0500 1050 20/64 HVY MIST,LITE SAND,XO TO 25/64
03/20/2003	06:00 - 06:45	0.75	FLOW	a	OBJECT	FLOW WELL THRU 24/64 CHOKE. FCP- 950. RETURNS - DENSE MIST, LITE SAND
	06:45 - 07:00	0.25	SAFE	a	OBJECT	SAFETY MEETING
	07:00 - 13:00	6.00	FLOW	a	OBJECT	CONT' TO FLOW BACK WELL TIME—PSI—CHOKE—RETURNS 0700 900 24/64 DENSE MIST,LITE SAND,XO TO 32/64 0800 655 32/64 DENSE MIST,LITE SAND, XO TO 48/64 0900 525 48/64 DENSE MIST,LITE SAND 1000 300 48/64 DENSE MIST,LITE SAND,XO TO 2" 1100 275 2" DENSE MIST,LITE SAND 1200 100 2" DENSE MIST,LITE SAND
	13:00 - 13:15	0.25	KILL	a	OBJECT	KILL CSG W/ 80 BBL 2% KCL
	13:15 - 13:45	0.50	PULD	a	OBJECT	RELEASE & L/D PKR & FRAC MANDREL
	13:45 - 14:15	0.50	RURD	a	OBJECT	XO TO 2-3/8" TOOLS & RAMS. FUNCTION BOP RAMS
	14:15 - 14:45	0.50	PULD	a	OBJECT	P/U 6-1/4" JUNK MILL & 6 X 3-1/2" DC'S
	14:45 - 15:30	0.75	TRIP	a	OBJECT	TIH W/ BHA & 49 STDS 2-3/8" TBG. TAG 45' OF FILL
	15:30 - 15:45	0.25	RURD	a	OBJECT	R/U SWIVEL
	15:45 - 16:15	0.50	COUT	a	OBJECT	ESTABLISH CIRC W/ 1500 SCF AIR & 12 BPH MIST. C/O TO CIBP @ 3254'
	16:15 - 17:30	1.25	DRLG	a	OBJECT	D/O CIBP @ 3254'. PUMP 5 BBL SWEEP
	17:30 - 18:00	0.50	RURD	a	OBJECT	R/D SWIVEL. PULL UP ABOVE CH PERFS
	18:00 - 19:00	1.00	BLOW	a	OBJECT	BLOW WELL @ 2504' W/ 700 SCF AIR. RETURNS - 8 BPH FOAMY FLUID
	19:00 - 06:00	11.00	FLOW	a	OBJECT	FLOW WELL NATURAL. RETURNS - SURGING 8 > 15 BPH FOAM & TRACE OF SAND HAVE RECOVERED APPROX. 880 BBLS FLUID { HAULING FLUID TO MCGRATH DISPOSAL }
03/21/2003	06:00 - 06:45	0.75	FLOW	a	OBJECT	NOTE: ENERGY AIR SERVICE DID NOT HAVE OPERATOR AVAILABLE TO RUN NIGHT OPERATION FLOW WELL NATURAL. RETURNS -10 > 15 BPH FOAMY WTR
	06:45 - 07:00	0.25	SAFE	a	OBJECT	SAFETY MEETING
	07:00 - 07:45	0.75	TRIP	a	OBJECT	TIH, TAG FILL @ 4640'
	07:45 - 08:00	0.25	RURD	a	OBJECT	R/U SWIVEL
	08:00 - 09:15	1.25	COUT	a	OBJECT	ESTABLISH CIRC W/ 1500 SCF AIR & 12 BPH MIST. C/O TO 4770'
	09:15 - 10:30	1.25	BLOW	a	OBJECT	BLOW WELL @ 4770' W/ 1500 SCF AIR. BUCKET GAUGE= TIME—WTR—SAND 0930 72 BPH TRACE 1000 55 BPH TRACE 1030 48 BPH TRACE
	10:30 - 10:45	0.25	RURD	a	OBJECT	R/D SWIVEL
	10:45 - 11:45	1.00	TRIP	a	OBJECT	TOOH W/ 73 STDS WELL SURGING 3 > 45 BPH WTR & STIFF FOAM
	11:45 - 12:00	0.25	KILL	a	OBJECT	KILL WELL W/ 80 BBLS 2% KCL
	12:00 - 12:45	0.75	PULD	a	OBJECT	L/D DC'S & MILL

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Operations Summary Report

Legal Well Name: ANGEL PEAK B #45
 Common Well Name: ANGEL PEAK B #45
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Start: 03/14/2003 Spud Date: 08/06/1983
 End: 03/22/2003
 Rig Release: 03/22/2003 Group:
 Rig Number: 26

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/21/2003	12:45 - 13:15	0.50	TRIP	a	OBJECT	CALL FOR ORDERS. TIH W/ NC & 5 STDS CALL FOR RBP & PKR
	13:15 - 13:30	0.25	TRIP	a	OBJECT	TOOH W/ NC
	13:30 - 13:45	0.25	PULD	a	OBJECT	P/U 7" RBP
	13:45 - 14:30	0.75	TRIP	a	OBJECT	TIH W/ RBP & 51 STDS 2-3/8" TBG
	14:30 - 15:00	0.50	PCKR	a	OBJECT	SET RBP @ 3216'. PULL UP 180'
	15:00 - 15:30	0.50	BLOW	a	OBJECT	BLOW WELL @ 2955' W/ 700 SCF AIR. RETURNS - INTERMITTEN SLUGS FOAMY FLUID, { EST @ 12 > 20 BBLS EVERY 10 MIN }
	15:30 - 06:00	14.50	BLOW	a	OBJECT	BLOW WELL @ 2955' W/ 1500 SCF AIR. BUCKET GAUGE @ TIME—WATER—NO SAND 1600 35 BPH 1630 22 BPH 1700 14.2 BPH 1900 14.2 BPH 2200 12.2 BPH 2400 11.5 BPH 0200 10.7 BPH 0400 10.2 BPH 0500 9.5 BPH AIR PKG FUEL USED- 454.99 GALS RUN TIME- 17.5 HRS 2 COMPRESSORS 1 BOOSTER
03/22/2003	06:00 - 12:30	6.50	BLOW	a	OBJECT	BLOW WELL @ 2955' W/ 700 SCF AIR. BUCKET GAUGE @ TIME—WATER—SAND 0600 9.2 BPH NONE 0700 9.5 BPH NONE 0800 9.6 BPH NONE 0900 9.5 BPH NONE 1000 9.1 BPH NONE 1100 8.5 BPH NONE 1200 7.8 BPH NONE
	12:30 - 13:00	0.50	PCKR	a	OBJECT	RELEASE RBP. RE-SET @ 3060' SHUT-OFF PERFS 3020 > 3168'
	13:00 - 13:30	0.50	BLOW	a	OBJECT	BLOW WELL @ 3020' W/ 700 SCF AIR. UNLOADED APPROX 6 BBLS FLUID. RETURNS W/ AIR- 1.0 BPH WTR
	13:30 - 13:45	0.25	TEST	a	OBJECT	FLOW WELL THRU 2". PITOT GAUGE - 492 MCF
	13:45 - 14:00	0.25	PCKR	a	OBJECT	RELEASE RBP, RE-SET @ 3134' SHUT-OFF PERFS 3166 > 3168'
	14:00 - 14:30	0.50	BLOW	a	OBJECT	BLOW WELL @ 3114'. STABILIZED BUCKET GAUGE - 14.8 BPH WTR. CALLED REPORT INTO K. SUTTON
	14:30 - 15:15	0.75	TRIP	a	OBJECT	RELEASE RBP. TOOH
	15:15 - 16:00	0.75	SHDN	a	OBJECT	SECURE WELL. SDFN. CALL FOR CIBP'S & WIRELINE TRUCK. NOTIFY BLM @ 1600 HRS OF INTENT TO P&A MV & LOWER CHACRA INTERVAL
03/23/2003	06:00 - 06:45	0.75	SRIG	a	OBJECT	ROAD RIG CREW & WIRELINE TO LOCATION. START RIG
	06:45 - 07:15	0.50	RURD	a	OBJECT	R/U BWWC
	07:15 - 08:00	0.75	CASE	a	OBJECT	SET CIBP ON WIRELINE @ 3382'
	08:00 - 10:45	2.75	SPOT	a	OBJECT	DUMP BAIL 10 SXS TYPE 3 CEMENT @ 3382' YIELD - 1.18 CU. FT. / SX, 53' OF CEMENT ON TOP OF CIBP
	10:45 - 11:30	0.75	CASE	a	OBJECT	SET 2ND CIBP @ 3065' TO ISOLATE CHACRA PERFS @ 3080' TO

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Operations Summary Report

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Legal Well Name: ANGEL PEAK B #45
 Common Well Name: ANGEL PEAK B #45
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Start: 03/14/2003
 Rig Release: 03/22/2003
 Rig Number: 26

Spud Date: 08/06/1983
 End: 03/22/2003
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/23/2003	10:45 - 11:30	0.75	CASE	a	OBJECT	3168'
	11:30 - 11:45	0.25	RURD	a	OBJECT	R/D BWWC
	11:45 - 12:45	1.00	PULD	a	OBJECT	TIH & L/D 50 JTS 2-3/8" TBG
	12:45 - 13:45	1.00	TRIP	a	OBJECT	TIH W/ REMAINING PROD TBG. RUN BROACH TO SN TBG RAN OPEN-ENDED W/ NC ON BOTTOM
	13:45 - 14:15	0.50	RURD	a	OBJECT	LAND TBG. R/D FLOOR
	14:15 - 14:30	0.25	NUND	a	OBJECT	N/D BOP, N/U TBG HEAD
	14:30 - 15:00	0.50	BLOW	a	OBJECT	BLOW WELL @ 2899'. RECOVERED APPROX 4 BBLS WTR.
	15:00 - 16:00	1.00	FLOW	a	OBJECT	FLOW THRU TBG TO PURGE AIR. FINAL PITOT GAUGE -190 MCF, { 1.5 OZ ON 2"}
	16:00 - 17:30	1.50	RURD	a	OBJECT	R/D EQUIP. RIG RELEASED @ 1730 HRS
						SUMMARY: PERF CHACRA @ 2523 > 3168'. FRAC W/ 649 BBLS 20# LINEAR GEL, 75 QUALITY FOAM & 200,000 LBS 20/40 SAND. D/O CIBP @ 3254'. C/O TO PBTD. WELL PRODUCING STABILIZED 9.2 BPH WTR. ISOLATE WTR IN LOWER CHACRA PERFS. SET CIBP @ 3382'. DUMP BAILED 10 SXS CEMENT ON TOP OF PLUG. SET 2ND CIBP @ 3068' TO ISOLATE WTR. RAN PROD TBG. TBG DETAIL: NC, CK BODY, SN, 1 JT, 2' PUP JT, 91 JTS TBG. EOT @ 2887.58'. LANDED @ 2899' KB. { SEE WELL BORE REPORT }
						RETURN TO DISTRICT TOOLS- 50 JTS 2-3/8" TBG { USED }